

World Connections



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.

The John Guest manufacturers a range push-fit plastic fittings, valves and tubing/pipe ideally suited for the DIY market. Our ease of use design allows end users to make leak free connections without the use of tools. From connecting an ice maker to plumbing a bathroom addition, our products can be confidentially used without the need for plumbing skills or experience.

Our proven reliability and ease of use has allowed us to become the preferred connection method for OEM's including Ford, Delta, Whirlpool, CUNO and Elkay. The professional plumbing trade has utilized our products for new construction, re-modeling, re-pipe and service/repair applications



Quality Manufacture

Both design and manufacture are carried out in John Guest's modern, purpose-built facilities in the United Kingdom.

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

It is this commitment to quality that has resulted in the Company receiving prestigious awards from many of the world's leading testing and approvals organizations.

John Guest is a preferred supplier to many international companies.

The Push-Fit Solution for the DIY Market

JG Speedfit is an advanced push-fit fitting featuring twist & lock technology that is suitable for the plumbing of normal domestic hot and cold water lines, including pressurized and combination systems. Speedfit Fittings have been designed for use with Copper Pipe, Speedfit Pex Pipe, CPVC, and PEX Pipe conforming to US Plumbing Standards.

Performance specifications are well within those required for most normal domestic water supply systems including:

- **Hot and cold water distribution systems.**
- **Potable water distribution systems.**
- **Hydronic heating systems.**

Extensive tests have shown that Speedfit products will withstand temperatures and pressures in excess of normal working conditions. JG Speedfit should be installed to conform with good plumbing practice.

Lead Free

John Guest's Push-fit and Twist & Lock Fittings are manufactured from high quality engineered plastic and are totally lead free. Angle Stop Adapter Valves and Brass Fittings in this catalog comply with recently enacted California Health & Safety Code 116875-116880 (formally AB 1953) and the Vermont lead free law S.0152, containing less than .25% weighted average lead content on wetted surfaces in plumbing systems.

Terms & Conditions

Products sold according to our standard terms and conditions of sale and to our published technical specifications. Our terms and conditions of sale are available from our office or via our website www.johnguest.com under US literature.



System Benefits:

- **Twist & Lock for added security**
- **No tools required**
- **Works with Copper, CVPC & PEX pipe**
- **A permanent leakproof connection**
- **Plastic products are Lead & corrosion free**
- **Approved for behind the wall installation**

Merchandising & Distribution Benefits

- **Strong branding**
- **User Instructions on bag**
- **Ziploc bags**
- **English and Spanish verbiage**
- **Regional sales support**



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Pre-Packed Twist & Lock Fittings

UNION TEE



PART NO.	SIZE CTS	BOX QTY
PEI0220P	1/2"	30
PEI0228P	3/4"	15

UNION ELBOW



PART NO.	SIZE CTS	BOX QTY
PEI0320P	1/2"	30
PEI0328P	3/4"	20

REDUCING ELBOW



PART NO.	SIZE CTS	BOX QTY
PEI212820P	3/4" x 1/2"	20

COUPLER



PART NO.	SIZE CTS	BOX QTY
PEI0420P	1/2"	30
PEI0428P	3/4"	20

REDUCER



PART NO.	SIZE STEM x CTS	BOX QTY
PEI062820P	3/4" x 1/2"	30

REDUCING COUPLER



PART NO.	SIZE CTS	BOX QTY
PEI202820P	3/4" x 1/2"	30

REDUCING TEE



PART NO.	SIZE CTS	BOX QTY
PEI3028AP	3/4" x 3/4" x 1/2"	15

TEST CAP



PART NO.	SIZE CTS	BOX QTY
PSEI4620P	1/2"	40
PSEI4628P	3/4"	40

SLIP TEE CONNECTION



PART NO.	SIZE CTS	BOX QTY
1/2TKP	1/2"	5
3/4TKP	3/4"	5

Easily adds a branch to an existing line

SLIP CONNECTOR



PART NO.	SIZE CTS	BOX QTY
1/2SCP	1/2"	5
3/4SCP	3/4"	5

Designed for burst pipe repairs

FEMALE SWIVEL CONNECTOR



PART NO.	SIZE CTS x NPS	BOX QTY
PEISTC2034P	1/2" x 1/2"	30

FEMALE SWIVEL ELBOW



PART NO.	SIZE CTS x NPS	BOX QTY
PEIBTC2034P	1/2" x 1/2"	30

PEX PIPE



PART NO.	SIZE CTS x FEET
US1/2PEX-100F-W	1/2" x 100'
US3/4PEX-100F-W	3/4" x 100'

W denotes white color pipe. Red and Blue pipe available at the same price as white, use suffix R or B



PART NO.	SIZE CTS
US1/2PEX-10x10-W	1/2"
US3/4PEX-10x10-W	3/4"

Bundles of ten 10-foot lengths
W denotes white color pipe. Red and Blue pipe available at the same price as white, use suffix R or B

PIPE INSERT



PART NO.	SIZE CTS	BOX QTY
TSI20P (10 pack)	1/2"	3,000
TSI28P (5 pack)	3/4"	1,000

Speedfit® Secure

MALE CONNECTOR



PART NO.	SIZE CTS x NPT	QTY BOX
PSEI012024P	1/2" x 1/2"	40
PSEI012026P	1/2" x 3/4"	30
PSEI012826P	3/4" x 3/4"	30

FEMALE CONNECTOR



PART NO.	SIZE CTS x NPT	BOX QTY
PSEI452826P	3/4" x 3/4"	30

MALE FIXED ELBOW



PART NO.	SIZE CTS x NPT	BOX QTY
PSEI482024P	1/2" x 1/2"	30

Working pressures and temperatures:

Application	Max. Working Pressure	Max. Working Temperature
Water	160 psi	73° F
Water	100 psi	180° F
Water	80 psi	200° F

Remember to pressure test the completed installation according to the recommendations in our Technical Checklist listed in our General Plumbing Catalog. Speedfit should not be used for gas, fuel oil or compressed air applications. Detailed technical specifications are shown in our General Plumbing Catalog and our website www.johnguest.com

Warranty:

As a result of long-term testing programs and rigorous quality standards John Guest USA offers a 25-year warranty against defects in materials or manufacturing of PEI, MWI, and PSEI ranges of plumbing fittings and Speedfit Pex Pipe manufactured by John Guest. John Guest plumbing products are for use with normal domestic plumbing systems and supplied in accordance with our terms and conditions of sale.

Detailed technical specifications are shown in our Full Product Line Catalog or visit our website: www.johnguest.com.



Pre-Packed Standard Fittings & Valves

MALE CONNECTOR



PART NO.	SIZE	BOX QTY
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PP010822WP	1/4" x 1/4"	60
PP010823WP	1/4" x 3/8"	75
PP011223WP	3/8" x 3/8"	50

SIZES: TUBE OD x THREAD NPT

UNION TEE



PART NO.	TUBE OD	BOX QTY
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PP0208WP	1/4"	50
PP0212WP	3/8"	50

UNION ELBOW



PART NO.	TUBE OD	BOX QTY
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PP0308WP	1/4"	60
PP0312WP	3/8"	50

UNION CONNECTOR



PART NO.	TUBE OD	BOX QTY
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PP0408WP	1/4"	80
PP0412WP	3/8"	50

REDUCER



PART NO.	SIZE	BOX QTY
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SIZES: STEM OD x TUBE OD

PP061208WP	3/8" x 1/4"	60
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REDUCING UNION



PART NO.	SIZE	BOX QTY
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SIZES: TUBE OD x TUBE OD

PP201208WP	3/8" x 1/4"	60
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REDUCING TEE



PART NO.	SIZE	BOX QTY
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SIZES: TUBE OD END x TUBE OD END x TUBE OD BRANCH

PP30121208WP	3/8"x3/8"x1/4"	50
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FAUCET CONNECTOR



PART NO.	SIZE	BOX QTY
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SIZES: TUBE OD x THREAD UNS

PP3208U7WP	1/4" x 7/16"	60
PP3212U7WP	3/8" x 7/16"	50

TUBE CUTTER



PART NO.	SIZE	BOX QTY
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TSNIP-US

ICE MAKER KIT



PART NO.	SIZE	BOX QTY
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ICE MAKER KIT 1
Includes: 25 feet 1/2" LLDPE Tubing (Natural), (1) 1/2" Supply Valve, (1) 1/2" Connector

STRAIGHT SHUT OFF VALVE



PART NO.	TUBE OD	BOX QTY
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PPSV040808WP	1/4"	50
PPSV041212WP	3/8"	30

ELBOW SHUT OFF VALVE



PART NO.	SIZE	BOX QTY
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SIZES: TUBE OD x THREAD NPT

PPSV500822WP	1/4" x 1/4"	50
PPSV501222WP	3/8" x 1/4"	30

ANGLE STOP ADAPTER VALVE

Lead Free



PART NO.	SIZE	BOX QTY
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SIZES: THREAD COMPRESSION x TUBE OD

ASVPP1LF	3/8" x 3/8" x 1/4"	30
ASVPP2LF	3/8" x 3/8" x 3/8"	30
ASVPP6LF	1/2" x 3/8" x 3/8"	20

*Contains less than 0.25% lead.

1/4 Turn Valves. These valves have been designed to allow temporary servicing of downstream equipment and must only be used in the fully open or fully closed position.

DO NOT USE THESE VALVES:

- In a partially open position to control flow.
- To provide a permanent termination.
- Without tubing assembled or plugged (or threaded connections sealed).
- As a tap or "faucet".

1/4 Turn Valves are indicated by this marker *

Working pressures and temperatures:

Application	Max. Working Pressure	Max. Working Temperature
Water	150 psi	70° F
Water	60 psi	140° F
Min. 33°F/1°C		

Chemicals:

For use with chemicals or other potentially aggressive liquids, please refer to our Technical Support Department. Standard Speedfit fittings should not be used for gas, fuel oil or compressed air applications or for central heating systems.

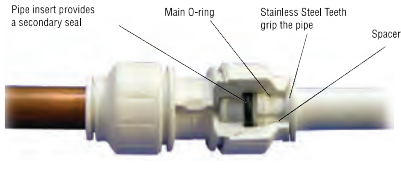
Detailed technical specifications are shown in our full product line catalog or visit www.jgspeedfit.com

Warranty:

For warranty information on PP and PPSV Ranges refer to the USA Terms and Conditions listed on our website www.johnguest.com



How to Make a Twist & Lock Connection



Like our Standard Fittings, Twist & Lock Fittings have a collet with stainless steel teeth that grip the pipe when fully inserted, and an O-ring to provide a permanent leak-proof seal. The additional benefit of the Twist & Lock fitting is that a twist of the screw-cap gives greater compression on the O-ring seal and locks the pipe in place for greater security.

PREPARE THE PIPE

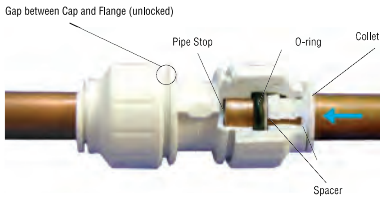


To prevent damage to the O-ring remove all burrs and sharp edges. When using Speedfit Pipe, we recommend the use of a Pipe Insert. The insert should only be used with Speedfit Pipe.

How to Make a Connection

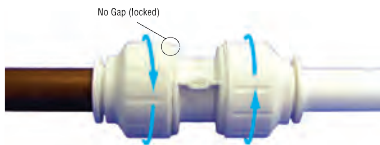
Fittings and pipe should be kept clean, bagged, and undamaged before use.

TWIST & LOCK FITTINGS



The fitting should be in the 'unlocked' position. This is shown by a small gap between the screw-cap and the body flange.

Push the pipe into the fitting and up to the pipe stop.



Twist the screw-cap until it touches the body flange. This locks the pipe into position and increases the o-ring seal around the pipe.

Pull to check that 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.

How to Make a Standard Connection

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.

CUT THE TUBE SQUARE



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

PUSH UP TO PIPE STOP

Push the tube into the fitting and up to the tube stop.



PULL TO CHECK SECURE

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



TO DISCONNECT

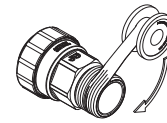
Push in collet and remove tube



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

Speedfit® Secure Locking Instructions

THREAD PREPARATION

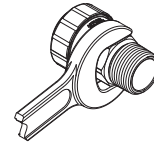


1. Beginning at the thread start, loop the PTFE tape once, and wind clockwise maintaining tension on the tape.
2. Working up the full thread length, continue winding, ensuring that tape is pulled into the thread form.

3. Tear tape by pulling in the same direction as winding, then smooth torn end by running fingers over it.

Warning: Winding the wrong way may result in the tape coming unwound as the fitting is tightened. Refer to the manufacturers recommendations for the number of turns.

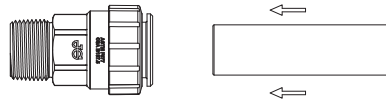
MAKING THE CONNECTION



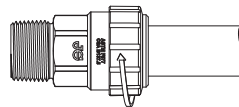
1. The fitting can be tightened by using a spanner on the hexagon area at the middle of the component.
2. Ensure connector is assembled to the torque specified below
3. Do not over tighten the fitting

Maximum Torque	Adaptor Size
2.2ft lbs (3.0 Nm)	1/2 NPT
2.9ft lbs (4.0 Nm)	3/4 NPT
2.9ft lbs (4.0 Nm)	1 NPT

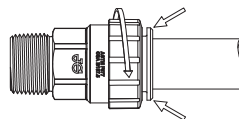
PIPE INSERTION AND RELEASE



1. Pipe Insertion. Ensure pipe is free from score marks, burrs etc. Push pipe fully into the fitting, up to the pipe stop.



2. Pipe Locking. Twist the locking cover 90° clockwise to engage the locking feature. Pull the pipe gently to ensure a good connection is made.



3. Pipe Release. Ensure that the system is depressurized. To release the pipe, twist the locking cover 90° anti-clockwise. Push the collet square against the face of the cover, then the pipe can be removed.

Note: The adaptor can be used again without the need for replacement parts.