17 October 2003

Speedfit®

Making a connection with John Guest fittings

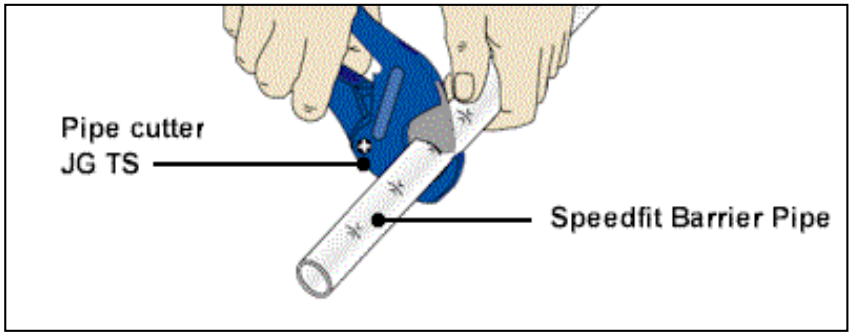
Step 1 - Prepare | Step 2 - Assemble | Step 3 - Verify

Pipe connection has never been easier than with John Guest fittings.

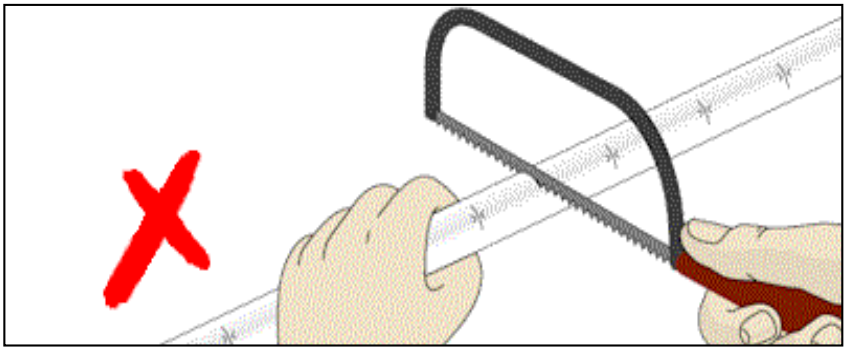
NOTE: Fittings and pipe should be kept clean, bagged and undamaged before use.

Step 1 - Prepare the connection

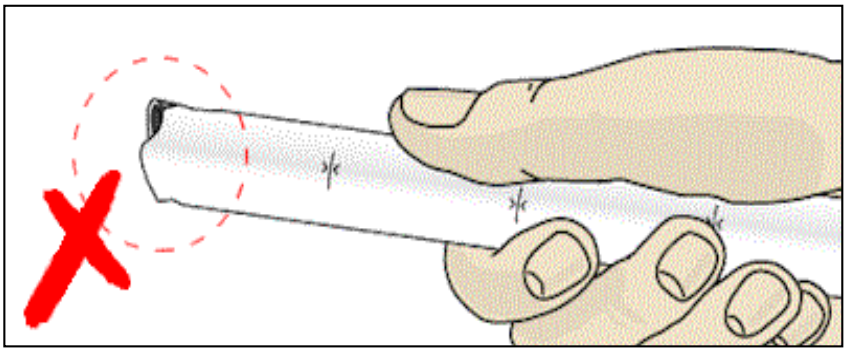
Cut the pipe square ensuring it is free of score marks. When using Speedfit BPEX barrier pipe, cut along an insertion mark. We recommend the use of one of the John Guest pipe cutters. For soft or thin walled plastic pipe we recommend the use of a tube insert or pipe insert.



NOTE: Do NOT use a hacksaw

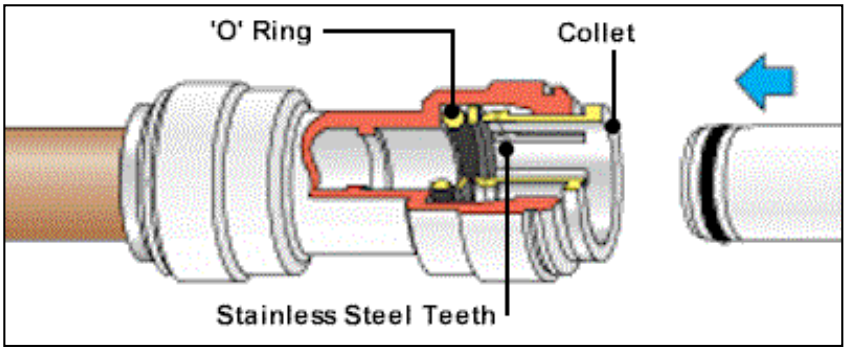


NOTE: To avoid damage to the 'O' Ring, make sure burrs and sharp edges are removed



With the fitting clean and undamaged and the pipe cut square, you are now ready to make the connection.

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



John Guest®
The World Leader in Push-in Fittings, Pipe and Plastic Plumbing Systems

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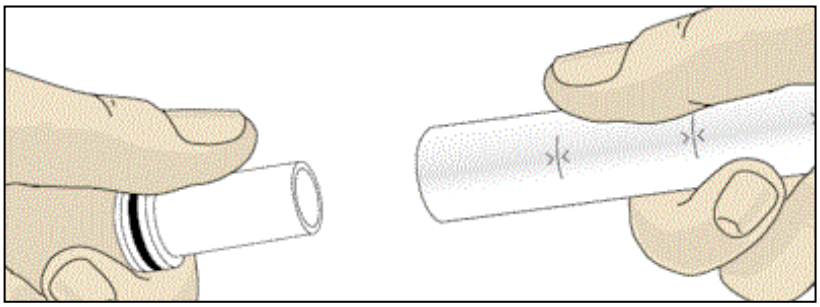
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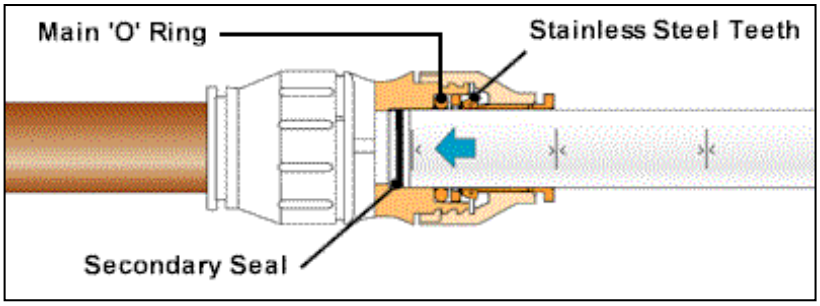
Step 2 - Assemble the connection

Connecting Twist and Lock Speedfit plumbing fittings

Use a John Guest pipe insert when connecting to Speedfit pipe. Enhanced sealing security is available by using the new 'STS' Superseal Pipe Insert. John Guest pipe inserts should only be used with Speedfit pipe.

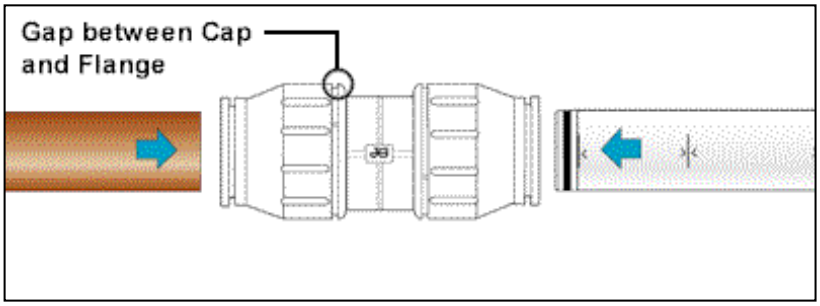


An 'O' ring on the head of the insert and the shape of the stem provide a secondary seal against the inside of the Speedfit Fitting. A combination of this and the main 'O' ring seal ensure a good connection.



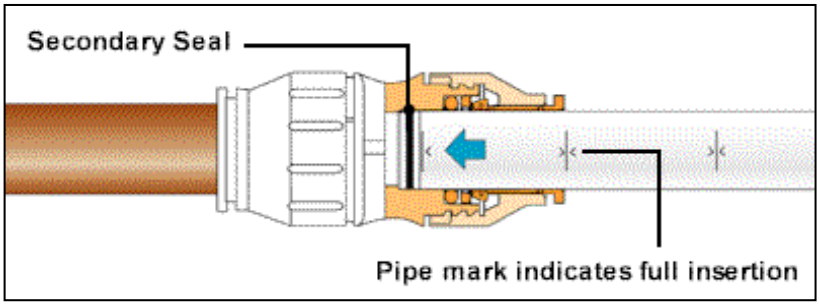
The stem of the insert gives greater rigidity to the length of pipe within the fitting, reducing the chance of leaks if a side load is applied.

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

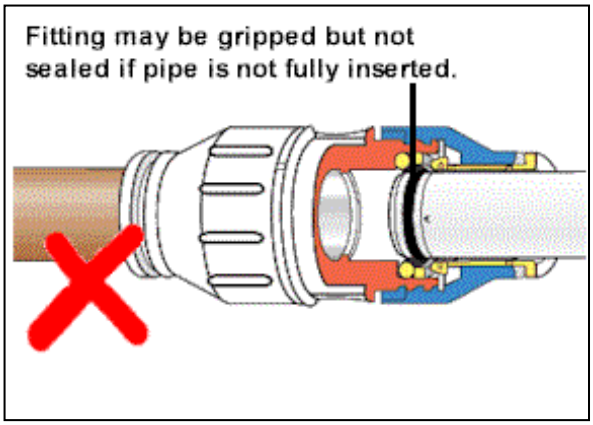


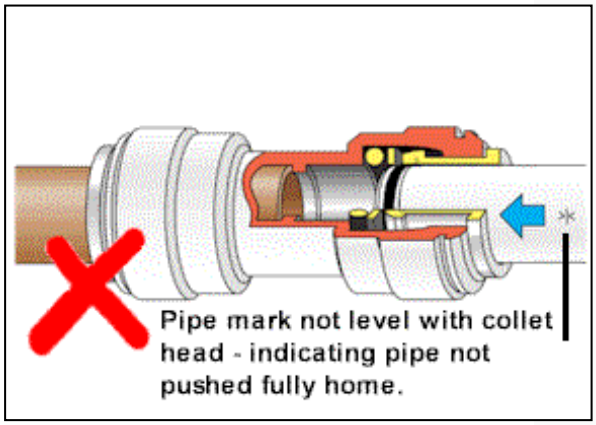
Cut the pipe square along an insertion mark and use a pipe insert.

Push the pipe fully into the fitting - past the collet and the 'O' ring seal 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.**



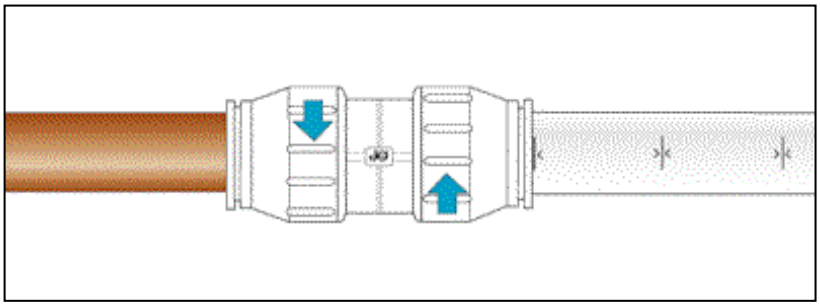
Twist the screwcap until it touches the body flange. This locks the pipe into position and increases the 'O' ring seal around the pipe for greater security.





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

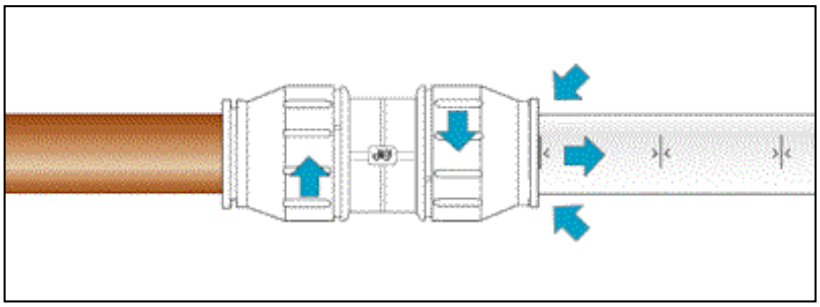
If you are not using collet clips, ensure that the screwcaps are in the locked position. Pull to check that the connection is secure.



Disconnecting Twist and Lock Speedfit plumbing fittings

Turn the screwcap back to the unlocked position.

Push the collet square against the face of the fiting by using fingers or with the help of our collet release tool. With the collet held in this position, the pipe can then be removed.



- Standard push-in fittings
- Standard Speedfit plumbing fittings
- New Twist and Lock Speedfit plumbing fittings
- 28mm fittings for compressed air applications
- Cartridges
- Underground fittings

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Step 3 - Verify the connection

It is recommended (and good practice dictates) that you remember to pressure test the completed installation before use. For recommended test procedures please refer to the Technical Documentation (available in our catalogues).