

INSTALLATION GUIDE - JOHN GUEST

HOW SPEEDFIT WORKS

Speedfit Fittings have a unique grip then seal construction made up of a collet with stainless steel teeth to grip the pipe and an 'O' ring to provide a permanent leak proof seal.

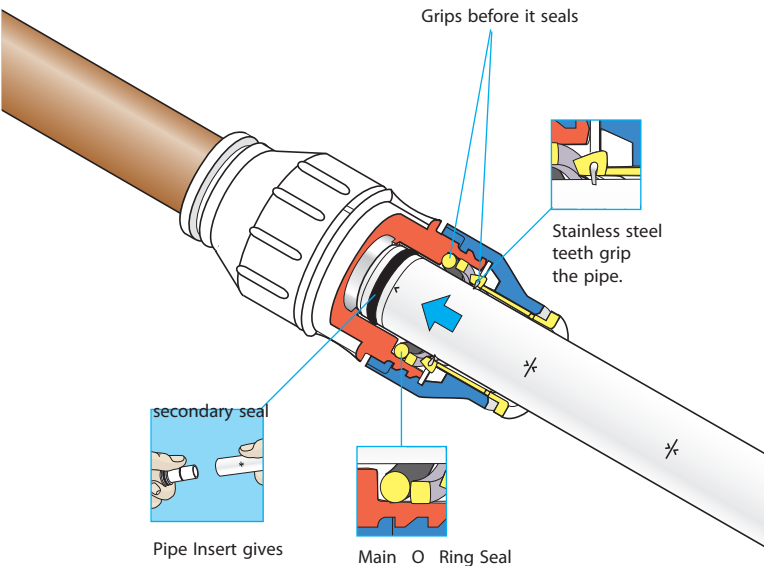
Use of the Superseal Pipe Insert ensures a double 'O' ring seal.

An 'O' ring at 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.

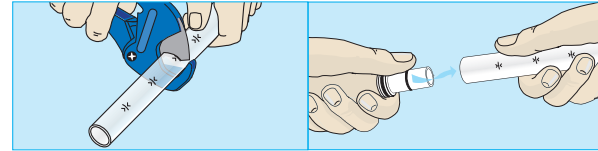
The additional benefit of Twist and Lock Fittings is that a twist of a screwcap locks the pipe in position and gives increased compression on the 'O' ring for even greater security.



MAKING A GOOD CONNECTION

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

PREPARE THE PIPE

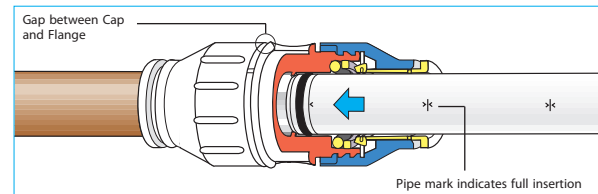


Ensure the pipe is free of score marks. Cut the pipe square. When using Speedfit Barrier Pipe cut along an insertion mark. We recommend the use of JG Pipe Cutters.

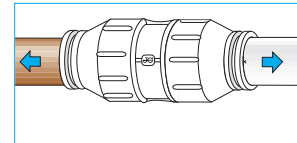
To prevent damage to the 'O' ring remove all burrs and sharp edges. When using Speedfit Pipe use a Superseal Pipe Insert. A twisting motion will aid insertion. The insert should only be used with Speedfit Pipe.

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.



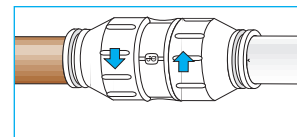
Push the pipe into the fitting, up to the pipe stop. If the Speedfit Pipe has been cut correctly the insertion mark on the pipe will be level with the collet head. The 'O' ring on the Superseal Pipe Insert provides a secondary seal against the bore of the fitting. **A good connection has been made.**



If you are not using collet clips, (see page 32) 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.

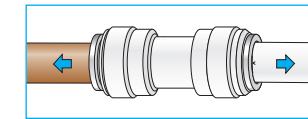
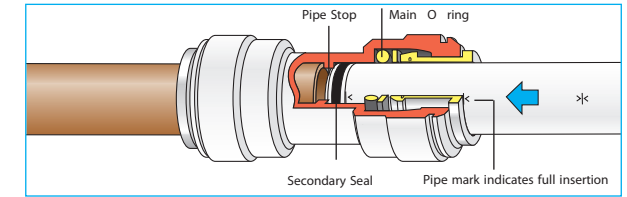
ADDED BENEFIT OF TWIST AND LOCK



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 FITTINGS

Standard Speedfit connections are made in the same way as Twist and Lock.



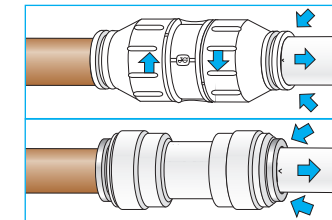
Pull to check the connection is secure. It is good practice to test the system prior to leaving the site or before use.

Our recommended test procedure is shown in our Technical Checklist.

TO DISCONNECT

Ensure the system is depressurised.

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

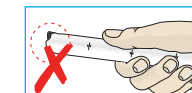


Push the collet square against the face of the fitting by using fingers or with the help of our collet release tool.

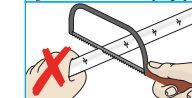
With the collet held in this position the pipe can be removed.

The fitting can be used again without the need for replacement parts.

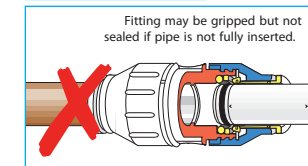
WHAT NOT TO DO



Don't use damaged or scored pipe.



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