



Quickfix push fit plumbing

PolyFit is our hand demountable white, push fit plumbing system, offering maximum flexibility and adjustability.

PolyFit features a one step jointing operation for quick and easy installation. PolyFit leads the market in speed to fit. If you need to adjust a fitting joint during the installation process, PolyFit fittings can be quickly demounted by hand, or by using our release tool.

Use PolyFit with Polypipe white polybutylene flexible pipe, using a Polypipe metal or plastic pipe stiffener. For extra security, choose the new Polypipe sealed stiffener.

PolyFit can be used on a wide range of contract and retrofit projects, including hot and cold water systems, and is particularly suitable for first fix installations.

The system offers a number of benefits, including:

- One step operation for quick and easy installation
- PolyFit is ideal for first fix applications or when demountability is important
- PolyFit is hand or tool demountable for maximum flexibility
- Use for all hot and cold water supply or heating applications
- Use with Polypipe white polybutylene pipe systems or with copper pipe
- Use Polypipe metal, plastic and sealed stiffeners (15mm and 22mm only)

Jointing

There are **five** steps to successfully jointing the PolyFit system.

Step 1a: Cutting Polypipe Pipe

Check the pipe is not scored or scratched in any way and if it is, cut back to a point where there is no damage.

Using a Polypipe pipe cutter, cut the pipe squarely using the "K" marks on the pipe as a guide. These marks indicate when the pipe has been inserted into the fitting correctly.



Step 1b: Cutting copper pipe for insertion in a PolyFit fitting

Wherever possible, use a rotational pipe cutter when cutting copper pipe. Ensure that all cut ends have a rounded lead in, with burrs removed. Never use a hacksaw. You will need to mark the insertion depth on the pipe as below.

Pipe Diameter (mm)	10	15	22	28
Insertion Depth (mm)	25	35	42	44

Step 2: Use of pipe stiffener

Insert a pipe stiffener into the pipe (not required with copper pipe). Polypipe offer three types of stiffeners for use with PolyFit fittings: metal, plastic and for extra security - a sealed stiffener (15mm and 22mm only). When using a sealed stiffener, the stiffener will be retained in the fitting when demounted.



Step 3: Visually check of fitting and fitting components

Visually check that all components are present, undamaged and free from contamination. PolyFit fittings contain; a blue bottom washer; an EPDM 'O' ring; a blue top washer and a collet all held in place by a cap nut. All cap nuts are torqued

to ensure that the cap nuts cannot unscrew easily. There is no need to undo cap nuts and remove any components prior to jointing PolyFit fittings.

Lubricants

All Polypipe fittings are supplied with pre-lubricated EPDM 'O' rings. If any further lubrication is required only Polypipe silicone lubricant should be used. Substances such as solder flux must not be used.

Step 4: Insert pipe fully into fitting

Insert pipe into the fitting, ensuring it is inserted to the full socket depth denoted by the next "K" mark on the pipe.



Step 5: Check joint security

A quick tug on the pipe will confirm that the pipe is inserted past the grab ring and that a grab ring was present in the fitting. It does not however ensure that the pipe is fully inserted as this can only be confirmed by using the depth insertion mark.

Demounting a PolyFit joint

PolyFit fittings are fully demountable and re-usable. To demount a PolyFit fitting simply depress the collet squarely towards the fitting and pull the pipe out of the fitting. Care should be taken that the collet is pushed all the way back to the fitting squarely to avoid scratching or scoring the pipe when it is pulled from the fitting.

When systems have been pressurised the collet is designed to grip into the pipe therefore using a fitting release aid (product code FITAID) will assist in demounting fittings.



Select your Flexible Hoses

Flexible hoses are a great addition to the PolyFit product range. This versatile collection comes in a wide range of length and connection end combinations to suit every need.

Many of our flexible hoses include the PolyFit one step joint feature and are quick and easy to install - ideal for use in tricky to reach or tight locations.

- All PolyFit flexible hoses are listed under the Water Regulations Advisory Scheme. Look out for the black thread that is wound into each hose, which denotes a WRAS quality product. Each EPDM hose is suitable for use in domestic hot and cold water applications
- All PolyFit flexible hoses which have a tap connector nut now contain captive rubber seals ensuring that seals are not lost or damaged on site
- PolyFit flexible hoses come in a packaging design which aids quick and easy product selection and all hoses come in pairs

01 PolyFit Fitting 15mm and 22mm

PolyFit push fit connections. PolyFit ends are secure in use but also fully demountable and reusable.

02 Tap Connection Nut 1/2" and 3/4"

These "wing nut" style tap connector nuts will only require hand tightening.

03 PolyFit Chrome Plated Valve 15mm and 22mm

Our compression end connectors use the same high quality components as the rest of the PolyFit push fit range.

04 Compression Fitting 15mm and 22mm

Connectors incorporating service valves to reduce the number of joints within a system. Incorporates the PolyFit push fit feature.

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