

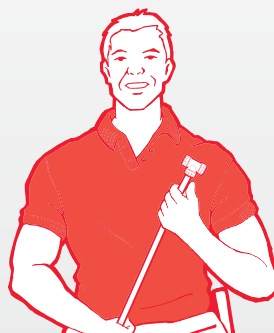
## Plumbing & Heating Systems

### The Total Plumbing Solution...

**EVERY  
JOB IS  
COVERED!**



**POLYFIT**  
The **FAST** and  
**DEMOUNTABLE** system



**POLYPLUMB**  
The **FAST** and  
**PERMANENT** system



**POLYSURE**  
The **SLIM** and  
**PERMANENT** system

Trade Price List June 2012

# Polypipe Plumbing & Heating Systems:

**Welcome to the June 2012 edition of the Plumbing and Heating Trade Price List. In this issue you will find trade prices for the Polyplumb, Polyfit and Polysure ranges.**



## NEW Pre-Insulated Pipe

Now available from Polypipe Building Products are our Pre-Insulated Piping systems. This new product range includes a double flexible pre-insulated, self-compensating, underground pipe, along with all fittings and coupling necessary for an easy installation.

Our Pre-Insulated pipes are suitable for "single plot" applications such as remote boilers and heat pumps





- Available** - Standard coil lengths available "off the shelf"
- Flexible** - Quick and easy to install with flow and return in one lay
- Durable** - Inner PEX barrier pipe and corrugated HDPE outer casing
- Reliable** - Brass mechanical clamp fittings require no special tools or equipment

Ask your local Polypipe representative for more information and literature. The Product Guide and Price List (PIPPG5) can also be downloaded from [www.totallyplumbing.com](http://www.totallyplumbing.com).

## Standards & Polypipe Guarantee Information

See page 34 for Important Application Information relevant to all systems

Polypipe meets, and constantly strives to exceed, the changing laws and regulations governing our operations and products. We have invested in extensive testing and development facilities to ensure the products we supply are of the highest quality. Our plumbing systems conform to a number of 3rd party accredited standards which are listed below.

- British Standard Class S rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2. 
- Polyplumb polybutylene barrier pipe, fittings and accessories are covered by BBA Certificate No 00/3699. 
- Listed in the WRAS Water Fittings and Materials Directory. 
- Standards Manufacturing Quality Assurance - in accordance with BS EN ISO 9002 (BSI registered firm Certificate FM00318). 
- British Gas has accepted the Polypipe 'Polyplumb' & 'Polyfit' Class S polybutylene pipe systems as being acceptable for open vented and sealed central heating systems and are eligible for acceptance onto Home Care Central Heating System Cover.

At Polypipe we pride ourselves on offering the highest quality products, and wherever possible our products and processes are covered by independent third-party accreditation, so you can rest easy knowing that you are buying from the UK's market leading manufacturer. We have invested significantly in our quality control procedures, have our own fully-equipped modern laboratory for development and analysis, and also have our own tooling and extrusion processes.



PB.P.S.A. - Polypipe Building Products is a member of the Polybutylene Piping Systems Association which is a recognised association of companies whose aim is to promote the features, benefits and best practice installation techniques of polybutylene pipe systems as well as providing a wide range of technical information and support. The P.B.P.S.A. web site can be found at [www.PBPSA.com](http://www.PBPSA.com).

### Installation Standard

Installation must follow the requirements of BS5955 - PART 8 2001 Plastic Pipework (Thermoplastic Materials).

### Guarantee

Polypipe guarantees for 25 years against defects in materials or manufacture of the Polyplumb and Polyfit hot and cold water supply and heating systems from the date purchased. This guarantee only applies if the products are installed in accordance with the manufacturers recommendations and are used in a normal domestic operation.

A normal domestic operation is defined as a residential property and excludes commercially run residential properties e.g. care homes and is also defined as being part of an open vented or sealed central heating system, direct or indirect single pipe hot water supply or mains or tank fed cold water supply system.

The system must be designed, installed and operated within the temperature and pressure ratings as defined in BS 7291 Class S which are also published in the manufacturer's literature and must also take account of all the other exclusions and limitations as defined in the design, application and installation guidance provided by the manufacturer.

Exclusions apply, please contact the manufacturer for further details.

For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012

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## See us Live this year

We will be appearing at various trade events throughout the year. For more information, please check [www.totallyplumbing.com](http://www.totallyplumbing.com) for more details on up coming events.

## Further Marketing Support

Don't forget that as well as this Trade Price List we offer a full range of marketing support including our technical Product Guide which provides comprehensive design, application and installation information, merchant point of sale materials and our dedicated plumbing web site [www.totallyplumbing.com](http://www.totallyplumbing.com). All literature can be downloaded or ordered via the web site and merchant point of sale materials can also be ordered using the web site.



For further information refer to Product Guide or [www.totallyplumbing.com](http://www.totallyplumbing.com)

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For latest prices and delivery to your door visit MyTub Ltd - 0845 303 8383 - [www.mytub.co.uk](http://www.mytub.co.uk) - [info@mytub.co.uk](mailto:info@mytub.co.uk)

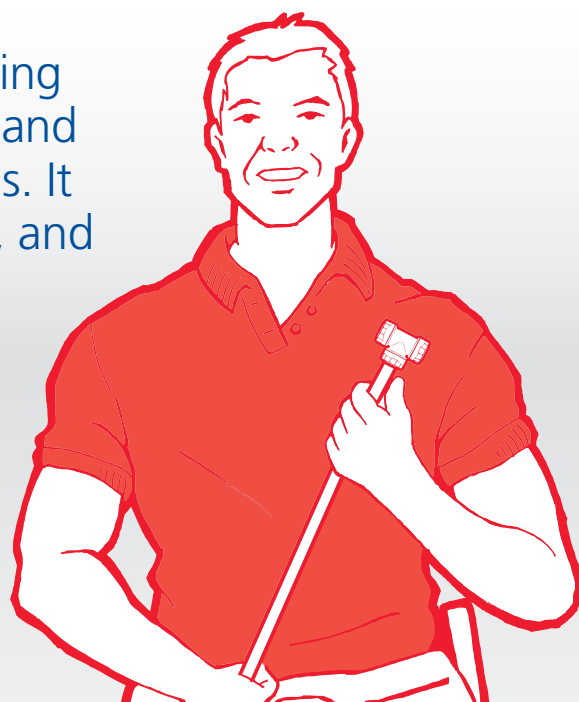
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# POLYPLUMB

The **FAST & PERMANENT** system

Polyplumb is an integrated flexible plumbing system, incorporating polybutylene pipes and a complementary range of push-fit fittings. It can be used in hot and cold water supply, and radiator and floor heating installations.

The system offers a high degree of reliability, achieved through a product design that has been tried and tested over the past 30 years.



## POLYPLUMB

The **FAST** and  
**PERMANENT** system

## Approvals and applications

- WRAS Listed in the WRAS Water Fittings and Materials Directory 
- **Standards Manufacturing Quality Assurance** - in accordance with BS EN ISO 9002 (BSI registered firm Certificate FM00318)  FM00318
- **Installation Standard** - to follow the requirements of BS5955 - PART 8 2001 Plastic pipework (Thermoplastic Materials)
- **British Standard** - Class S rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2 
- **British Gas** - has accepted the Polyplumb Class S Polybutylene pipe system as being acceptable for open vented and sealed central heating systems and are eligible for acceptance onto Home Care Central Heating System Cover
- **BBA** - Polyplumb Polybutylene barrier pipe, fittings and accessories are covered by BBA Certificate No 00/3699 
- **AENOR** - The Spanish Association for Standardisation and Certification
- Suitable for use in hot and cold water and heating systems in domestic properties

- Polyplumb fittings should be used with grey Polyplumb pipes and other Polypipe specialist pipe systems such as conduit pipe
- All installation practices must be observed. See this guide and our website at [www.totallyplumbing.com](http://www.totallyplumbing.com) for more information

## POLYPLUMB

The **FAST & PERMANENT** system

**PUSH  
FIT**

For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: **June 2012**



## The system offers a number of benefits, including:

- Time efficient, no nonsense one step joint process
- High performance stainless steel grab ring ensures superb joint integrity
- Demountable only by dis-assembling, reducing potential for tampering
- The original Polypipe pushfit plumbing system used and relied on by customers throughout the world
- Polyplumb fittings are also used extensively in our underfloor heating systems.



For further information refer to Product Guide or [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012



## Polyplumb Jointing, Dismantling and System Testing

### Jointing

There are five vital stages to successfully jointing the Polyplumb system.

#### Step 1a: Cutting Polyplumb pipes

Firstly check that the pipe is not scored or scratched in any way and if it is so cut back to a point where there is no damage present.

Always use one of the approved pipe cutters (code PB781 or PB778).

A slight rotation of the pipe when cutting will help make cutting easier. Never use a hacksaw and always cut on a depth insertion mark. These "K" shaped marks are equally spaced along the pipe and indicate the depth required for full insertion in to a Polyplumb socket fitting.



#### Insertion depth markers on fittings

Each fitting now has an insertion depth marker on the fitting body to aid with installation. The only way of being certain that a joint has been completed successfully is by using the insertion depth marks on the pipe for cutting and insertion purposes.

#### Step 1b: Cutting copper pipe for insertion in a Polyplumb 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)			
22	27	30	35

#### Step 2: Use of pipe stiffener

Pipe stiffeners are an integral part of the joint when using Polyplumb pipe with either Polyplumb fittings or compression fittings and need to be fully inserted in to the pipe end. They are not required when using copper pipe.



#### Step 3: Visual check of fitting and fitting components

Although every single socket is visually checked during the manufacturing process to ensure that all components are present and in the correct order, a further visual check must be carried out as tampering by others can take place on site or during distribution.

**CAUTION** - Do not insert fingers into the Polyplumb fittings, as the grab ring is sharp and designed to grip.

**NOTE:** Components shown in dismantling section.

#### Lubricants

All Polypipe fittings are supplied with pre-lubricated EPDM 'o' rings. If for any reason 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

Check to ensure that the pipe and socket are clean and free from any contamination. The pipe should be inserted into the fitting to full socket depth such that the insertion depth mark aligns with the outer end of the cap nut on the fitting.



#### Step 5: Grab ring check

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.

#### IMPORTANT NOTE: Avoidance of re-jointing

On no account should a pipe be removed from a jointed Polyplumb fitting by removing the cap-nut and withdrawing the pipe end complete with all the socket components from the fitting to be rejointed without removing and replacing the grab-ring into the fitting and re-making the joint in accordance with the normal Polyplumb jointing procedure.

If the pipe end complete with all the socket components is subsequently re-jointed into the body of a fitting, there is a risk that the outer edge of the grab-ring could catch on the outer end or the inside surface of the socket of the fitting which forces the grab-ring into an angled position on the pipe. Forcing the grab-ring into an angled position on the pipe in this way, seriously damages the grab-ring teeth and will reduce the pull-out performance of the joint when subjected to pressure, such that premature failure will almost certainly occur with the potential for serious injury.

#### WARNING

All jointing instructions must be followed at all times with particular attention being paid to correct insertion depths. If a pipe is not inserted fully into a fitting through both the O ring seal and the grab ring then the incorrect assembly will come apart. The pipe will then have an open end which will result in water discharging un-intentionally. As our products can be used on hot water and heating systems there is the potential for serious injury should this situation occur with hot water.



# Polyplumb Jointing, Dismantling and System Testing

## Dismantling a Polyplumb joint

Polyplumb fittings must not be dismantled for any reason prior to jointing.

### Step 1: Procedure for using the component pack of spares Dismantling the joint

If it is necessary to remove a jointed pipe from a fitting, the cap-nut should be unscrewed and the pipe with all the socket components present on the pipe end should be pulled out of the socket of the fitting. The pipe end complete with all the socket components should be cut off and discarded. A complete component pack of socket spares should be fitted to the socket as described below and pipe jointing should be carried out as described left (see fig.1)

### Step 2: Replacement components

The component pack (Code: PB95XX) is supplied as a cap-nut with all the socket components present in the correct order and retained by a retaining cap.

### Step 3: Preparing components

Completely remove the retaining cap, ensuring that the socket components remain within the cap-nut.

### Step 4: Replacing the components

Without removing any of the socket components from the cap-nut, introduce the cap-nut and socket components to the socket of the fitting and tighten up the cap-nut by hand ensuring that the components enter the socket without snagging.

### Step 5: Checking the fitting

Carry out a visual check to ensure that all socket components are present in the correct order as shown in the diagram and that the rubber 'O'ring is lubricated. If in doubt, the 'O'ring should be re-lubricated using Polyplumb silicone lubricant.

### Step 6: Fitting the joint

Carry out pipe jointing as described on page 6.

## Reduced component fittings

Changes have been made to 15mm Polyplumb couplers, elbows and tees and 22mm Polyplumb elbows and tees, which need to be considered when using Polyplumb spares kits with these fittings, as follows:

### Step 1: Original Polyplumb fittings

If the bottom white washer is present in the fitting below the grab-ring, then the spares kit can be used as supplied without making any changes.

### Step 2: New Polyplumb fittings

If there is no bottom white washer present below the grab-ring with one of the five listed fittings then this is one of the fittings which has been modified.

Before the spares kit is used, the carrier moulding should be carefully removed from the cap-nut and the bottom white washer should be removed and discarded without changing the order of any of the other components. After this has been done, the spares kit should be offered up to the socket of the fitting, inserting the components into the socket in the order they are within the kit and then screwing down the cap-nut onto the outside of the socket (see fig.2).

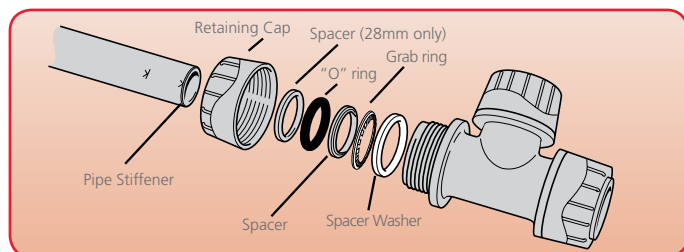


Fig.1: Polyplumb fittings general arrangement

## System testing

Pressure testing of the pipe system is essential however a successful pressure test using the following steps is not a guarantee of complete and correct installation and only ensures that pipes have been inserted into fittings passed both the 'o' ring and the grab ring. If pipes have been scored or scratched during the installation process a high pressure test as below may not highlight these issues.

### 1st fix installations

Pipe and fittings only should be tested. The system should be completely filled using water at not more than 20°C at a test pressure of 18 Bar which should be applied for not less than 15 minutes and no longer than 1 hour.

Joint security can be checked visually and by tugging at joints.

### 2nd fix installations

Complete installations including appliances should be tested with water to the maximum test pressure allowed by manufacturers of the appliances and fittings.

Please note, due to health and safety reasons Polypipe do not recommend air testing of pipework installations.

### Pressure testing in sub-zero temperatures

Special precautions are necessary if the pressure testing is to take place in sub-zero temperatures.

This applies particularly in under floor central heating systems using the screeded floor system where most of the pipe is encased in concrete. Due to the contact between pipe and floor panel on screeded installations, where the screed does not completely surround the pipe, there may be points where strain is created on the pipe in freezing conditions which is not normally present.

Therefore it is advisable to drain the under floor central heating system once testing and screeding has been completed.

Precautions should also be taken where installations contain large quantities of fittings which due to the rigidity of their construction may put undue pressure on the pipe.

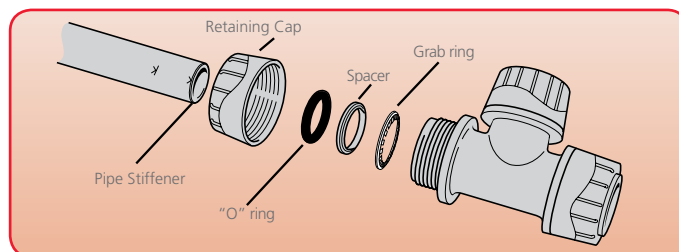
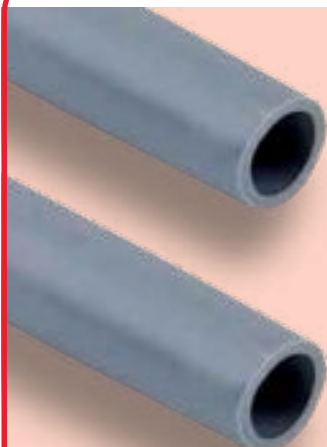


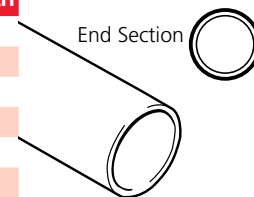
Fig.2: 15mm couplers, elbows and tees and 22mm elbows and tees



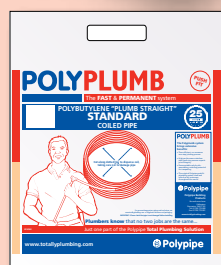
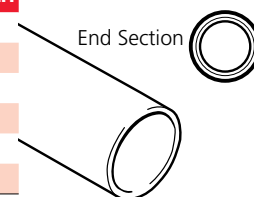
## Polyplumb Standard & Barrier Pipe - 10, 15, 22 & 28mm O.D.



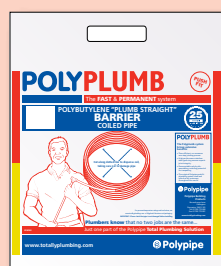
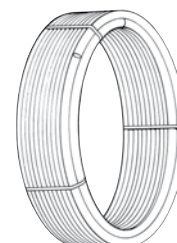
Standard Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 3 metre Cut Length	10	PB315	£5.29
15mm x 6 metre Cut Length	10	PB615	£10.66
22mm x 3 metre Cut Length	10	PB322	£10.02
22mm x 6 metre Cut Length	10	PB622	£20.13
28mm x 3 metre Cut Length	10	PB328	£13.79
28mm x 6 metre Cut Length	10	PB628	£27.50



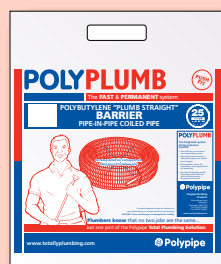
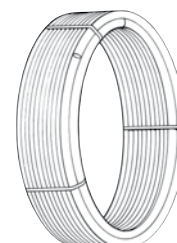
Barrier Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 3 metre Cut Length	10	PB315B	£5.93
15mm x 6 metre Cut Length	10	PB615B	£11.62
22mm x 3 metre Cut Length	10	PB322B	£11.23
22mm x 6 metre Cut Length	10	PB622B	£21.66
28mm x 3 metre Cut Length	10	PB328B	£15.39
28mm x 6 metre Cut Length	10	PB628B	£30.60



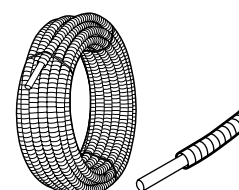
Standard Polybutylene Pipe Coils - Featuring "Plumb Straight" coiling technology	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PB5010	£73.59
10mm x 100 metre Coil	1	PB10010	£149.35
15mm x 25 metre Coil	1	PB2515	£43.78
15mm x 50 metre Coil	1	PB5015	£86.97
15mm x 100 metre Coil	1	PB10015	£173.80
22mm x 25 metre Coil	1	PB2522	£82.83
22mm x 50 metre Coil	1	PB5022	£164.74



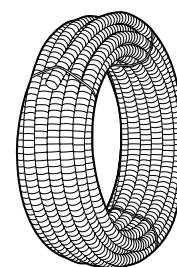
Barrier Polybutylene Pipe Coils - Featuring "Plumb Straight" coiling technology	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PB5010B	£81.77
10mm x 100 metre Coil	1	PB10010B	£157.46
15mm x 25 metre Coil	1	PB2515B	£46.97
15mm x 50 metre Coil	1	PB5015B	£93.90
15mm x 100 metre Coil	1	PB10015B	£186.72
15mm x 150 metre Coil	1	PB15015B	£279.80
22mm x 25 metre Coil	1	PB2522B	£91.63
22mm x 50 metre Coil	1	PB5022B	£177.90
28mm x 25 metre Coil	1	PB2528B	£102.24
28mm x 50 metre Coil	1	PB5028B	£202.23



Barrier Pipe-in-Pipe	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PIP5010B	£149.81
15mm x 25 metre Coil	1	PIP2515B	£81.77
15mm x 50 metre Coil	1	PIP5015B	£163.73
22mm x 25 metre Coil	1	PIP2522B	£140.03



Conduit Pipe Coils - Polypropylene	Pack Qty	Code No	Price Each
15mm x 25 metre Conduit Pipe Coil (Black)	1	CPC1525	£26.50
15mm x 50 metre Conduit Pipe Coil (Black)	1	CPC1550	£53.31
22mm x 25 metre Conduit Pipe Coil (Black)	1	CPC2225	£33.12
22mm x 50 metre Conduit Pipe Coil (Black)	1	CPC2250	£66.61
15mm x 25 metre Conduit Pipe Coil (Red)	1	CPC1525R	£28.63
15mm x 50 metre Conduit Pipe Coil (Red)	1	CPC1550R	£57.56
22mm x 25 metre Conduit Pipe Coil (Red)	1	CPC2225R	£38.40
22mm x 50 metre Conduit Pipe Coil (Red)	1	CPC2250R	£77.26
15mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC1525BU	£28.63
15mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC1550BU	£57.56
22mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC2225BU	£38.40
22mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC2250BU	£77.26

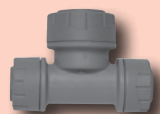
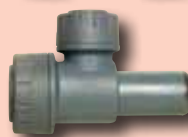
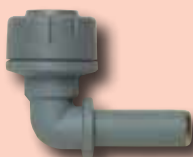
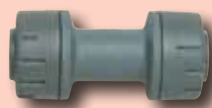


Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.





## Polyplumb Fittings - 10, 15, 22 & 28mm O.D.



Straight Coupler	Pack Qty	Code No	Price Each
10mm Straight Coupler	10	PB010	£3.05
15mm Straight Coupler	10	PB015	£1.89
22mm Straight Coupler	10	PB022	£2.51
28mm Straight Coupler	5	PB028	£7.21

Elbow	Pack Qty	Code No	Price Each
10mm Elbow	10	PB110	£3.37
15mm Elbow	10	PB115	£2.21
22mm Elbow	10	PB122	£3.25
28mm Elbow	5	PB128	£7.70

Spigot Elbow	Pack Qty	Code No	Price Each
10mm Spigot Elbow	10	PB1010	£3.51
10mm x 15mm Spigot Elbow	10	PB101510	£3.21
15mm Spigot Elbow	10	PB1015	£2.45
22mm Spigot Elbow (not suitable for use with compression fittings)	10	PB1022	£3.64

Female Elbow (Brass)	Pack Qty	Code No	Price Each
15mm x 1/2"	5	PB3015	£6.70
22mm x 1/2"	5	PB302212	£7.23
22mm x 3/4"	5	PB3022	£7.23

Use PTFE  
tape to seal  
threads

Equal Tee	Pack Qty	Code No	Price Each
10mm Equal Tee	10	PB210	£4.23
15mm Equal Tee	10	PB215	£3.18
22mm Equal Tee	10	PB222	£4.16
28mm Equal Tee	5	PB228	£12.24

End Reduced Tee	Pack Qty	Code No	Price Each
15mm x 10mm x 15mm End Reduced Tee	5	PB1415	£4.22
22mm x 15mm x 22mm End Reduced Tee	5	PB1422	£4.27
28mm x 22mm x 28mm End Reduced Tee	5	PB1428	£12.24

Branch Reduced Tee	Pack Qty	Code No	Price Each
15mm x 15mm x 10mm Branch Reduced Tee	5	PB1115	£4.34
22mm x 22mm x 10mm Branch Reduced Tee	5	PB112210	£4.35
22mm x 22mm x 15mm Branch Reduced Tee	5	PB1122	£4.24
28mm x 28mm x 22mm Branch Reduced Tee	5	PB1128	£10.88

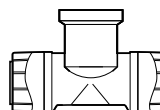
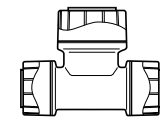
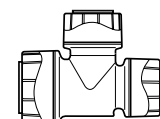
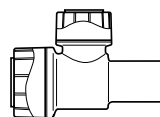
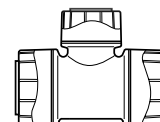
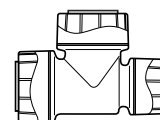
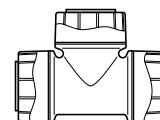
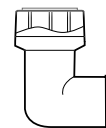
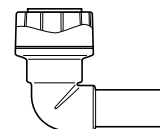
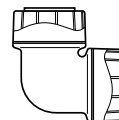
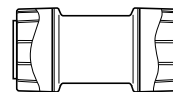
Branch Reduced Spigot Tee	Pack Qty	Code No	Price Each
15mm x 15mm x 10mm Branch Reduced Spigot Tee	5	PB1215	£4.22
22mm x 22mm x 15mm Branch Reduced Spigot Tee (not suitable for use with compression fittings)	5	PB1222	£4.32

Branch and one End Reduced Tee	Pack Qty	Code No	Price Each
15mm x 10mm x 10mm Branch & 1 End Reduced Tee	5	PB1515	£4.04
22mm x 15mm x 15mm Branch & 1 End Reduced Tee	5	PB1522	£4.14
28mm x 22mm x 22mm Branch & 1 End Reduced Tee	5	PB1528	£10.88

Two Ends Reduced Tee	Pack Qty	Code No	Price Each
15mm x 15mm x 22mm 2 Ends Reduced Tee	5	PB1622	£4.22

Female Tee (Brass)	Pack Qty	Code No	Price Each
15mm x 1/2"	5	PB2915	£9.75
22mm x 1/2"	5	PB292212	£11.08

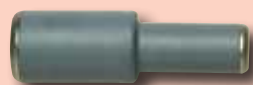
Use PTFE  
tape to seal  
threads



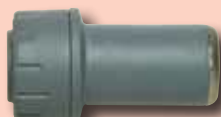




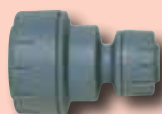
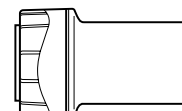
## Polyplumb Fittings - 10, 15, 22 & 28mm O.D.



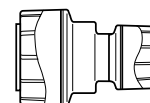
Spigot Reducer	Pack Qty	Code No	Price Each
15mm x 10mm Spigot Reducer	5	PB815	£1.58
22mm x 15mm Spigot Reducer (22mm end not suitable for use with compression fittings)	5	PB822	£1.75
28mm x 22mm Spigot Reducer (not suitable for use with compression fittings)	5	PB828	£3.30



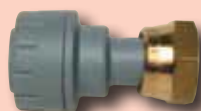
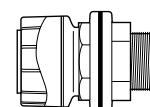
Socket Reducer	Pack Qty	Code No	Price Each
15mm x 10mm Socket Reducer	10	PB1815	£2.91
22mm x 15mm Socket Reducer (not suitable for use with compression fittings)	10	PB1822	£2.27
28mm x 22mm Socket Reducer (not suitable for use with compression fittings)	5	PB1828	£5.17



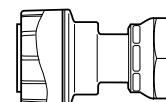
Reducing Coupling	Pack Qty	Code No	Price Each
22mm x 10mm Socket Reducer	5	PB582210	£4.60



Tank Connector (cold water only)	Pack Qty	Code No	Price Each
15mm x 1/2" Tank Connector	10	PB3815	£2.48
22mm x 3/4" Tank Connector	10	PB3822	£3.26
28mm x 1" Tank Connector	5	PB3828	£7.82
Complete with E.P.D.M. Sealing Washer (tighten by hand)			



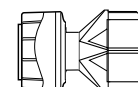
Straight Tap Connector (Brass Connecting Nut)	Pack Qty	Code No	Price Each
15mm x 1/2" Straight Tap Connector (1)	10	PB715	£3.22
15mm x 3/4" Straight Tap Connector (2)	5	PB71534	£3.86
22mm x 3/4" Straight Tap Connector (2)	5	PB722	£4.20



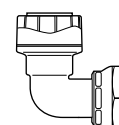
(1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)  
(2) Complete with fibre sealing washer. (tighten by hand plus a further 1/6 of a turn with a spanner)



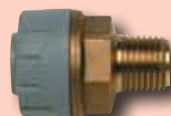
Hand Tighten Tap Connector (not suitable for central heating)	Pack Qty	Code No	Price Each
15mm x 1/2" Hand Tighten Connector	10	PB2715	£2.58
15mm x 3/4" Hand Tighten Connector	5	PB271534	£3.08
22mm x 3/4" Hand Tighten Connector	5	PB2722	£3.46
Complete with E.P.D.M. Sealing Washer			



Bent Tap Connector (Brass Connecting Nut)	Pack Qty	Code No	Price Each
15mm x 1/2" Bent Tap Connector	10	PB1715	£4.48
Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)			

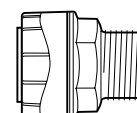


Flexible Hose Tap Connectors (not suitable for central heating)	Pack Qty	Code No	Price Each
10mm x 1/2" Flexible Tap Connector	2	PB681012	£9.97
15mm x 1/2" Flexible Tap Connector	2	PB6815	£7.00
15mm x 3/4" Flexible Tap Connector	2	PB681534	£8.23
22mm x 3/4" Flexible Tap Connector	2	PB6822	£7.56



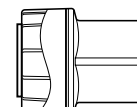
Male BSP Adaptor (DZR Brass Body)	Pack Qty	Code No	Price Each
10mm x 1/4" MBSP Adaptor	10	PB4310	£6.61
10mm x 3/8" MBSP Adaptor	10	PB431038	£6.61
15mm x 1/2" MBSP Adaptor	10	PB4315	£7.00
22mm x 3/4" MBSP Adaptor	10	PB4322	£10.24
28mm x 1" MBSP Adaptor	5	PB4328	£13.57

Taper BSP threads to BS21 only use PTFE tape to seal threads



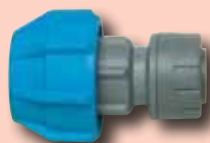
Female BSP Adaptor (DZR Brass Body)	Pack Qty	Code No	Price Each
10mm x 1/4" Female BSP Adaptor	10	PB4410	£7.45
10mm x 3/8" Female BSP Adaptor	10	PB441038	£7.45
15mm x 1/2" Female BSP Adaptor	10	PB4415	£6.94
15mm x 3/4" Female BSP Adaptor	10	PB441534	£7.92
22mm x 3/4" Female BSP Adaptor	10	PB4422	£10.36
28mm x 1" Female BSP Adaptor	5	PB4428	£11.35

Parallel BSP threads to BS21 only use PTFE tape to seal threads



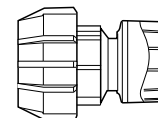
Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.

## Polyplumb Fittings - 10, 15, 22 & 28mm O.D.

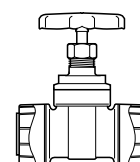


MDPE Polyfast Adaptor (cold water only)	Pack Qty	Code No	Price Each
15mm x 20mm MDPE Adaptor	5	PB422015	£3.86
15mm x 25mm MDPE Adaptor	5	PB422515	£4.76
22mm x 25mm MDPE Adaptor	5	PB422522	£4.94
22mm x 32mm MDPE Adaptor	5	PB423222	£9.43
28mm x 32mm MDPE Adaptor	5	PB423228	£9.88

All include  
MDPE 12 Bar  
Plastic Pipe  
Stiffener

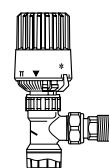


Gate Valve (Brass)	Pack Qty	Code No	Price Each
15mm Gate Valve	5	PB3115	£11.84
22mm Gate Valve	5	PB3122	£16.64



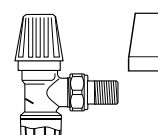
Thermostatic Radiator Valve (Plated Brass)	Pack Qty	Code No	Price Each
10mm Thermostatic Radiator Valve	1	PB3310	£30.31
15mm Thermostatic Radiator Valve	1	PB3315	£30.31

Use PTFE tape to  
seal threads



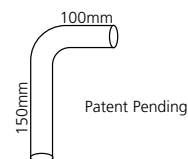
Radiator/Lockshield Valve (Plated Brass)	Pack Qty	Code No	Price Each
10mm Radiator Valve	1	PB3210	£7.54
15mm Radiator Valve	1	PB3215	£7.54

Use PTFE tape to  
seal threads

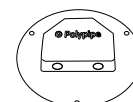


Radiator Connector (Bend "RCB")	Pack Qty	Code No	Price Each
10mm Radiator Connector Bend	10	PB3910	£1.75
15mm Radiator Connector Bend	10	PB3915	£1.92

Pipe stiffeners must be  
used on each end



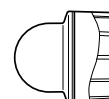
Radiator Terminal Plate	Pack Qty	Code No	Price Each
Radiator Terminal Plate	10	RTP10	£7.93



Spigot Blank Ends	Pack Qty	Code No	Price Each
10mm Spigot Blank End	10	PB910	£0.96
15mm Spigot Blank End	10	PB915	£0.75
22mm Spigot Blank End (not suitable for use with compression fittings)	10	PB922	£0.99
28mm Spigot Blank End (not suitable for use with compression fittings)	5	PB928	£1.78



Socket Blank Ends	Pack Qty	Code No	Price Each
10mm Socket Blank End	10	PB1910	£1.86
15mm Socket Blank End	10	PB1915	£1.48
22mm Socket Blank End	10	PB1922	£2.14
28mm Socket Blank End	5	PB1928	£3.60



Demountable Socket Blank Ends	Pack Qty	Code No	Price Each
10mm Demountable Socket Blank End	10	PB6910	£1.86
15mm Demountable Socket Blank End	10	PB6915	£1.49
22mm Demountable Socket Blank End	10	PB6922	£2.14
28mm Demountable Socket Blank End	5	PB6928	£3.60


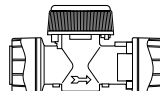

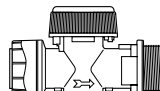

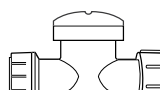

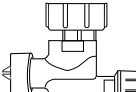

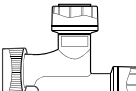

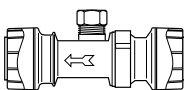

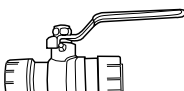

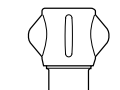

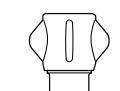

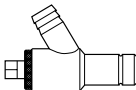

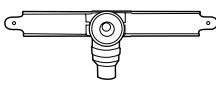

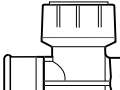


For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012



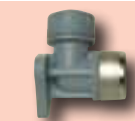
## Polyplumb Fittings - 10, 15, 22 & 28mm O.D.

	<b>Shut-Off Valve</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 15mm Shut-Off Valve - Warm/Cold (Please note these valves now contain a plain white index)	5	PB5915	£5.42	
	<b>Appliance Valve</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 3/4" Appliance Valve - Warm/Cold (Please note these valves now contain a plain white index)	5	PB6115	£5.41	
	<b>Straight Service Valve</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 1/2" Straight Service Valve	5	PB6515	£7.94	
	<b>Bent Service Valve</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 1/2" 90° Bent Service Valve	5	PB6615	£8.62	
	<b>Bent Service Valves</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 15mm 90° Bent Service Valve (Please note these valves now contain a plain white index)	5	PB7915	£8.62	
	<b>Double Check Valve</b> <i>(not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm Double Check Valve	1	PB3715	£19.29	
	22mm Double Check Valve	1	PB3722	£26.28	
	28mm Double Check Valve	1	PB3728	£31.51	
	<b>Quarter Turn Ball Valve</b> <i>(Nickel Plated Brass)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm Quarter Turn Ball Valve	5	PB6715	£17.22	
	22mm Quarter Turn Ball Valve	2	PB6722	£22.51	
	28mm Quarter Turn Ball Valve	2	PB6728	£27.90	
	<b>Stopcock</b> <i>(cold water only)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 15mm Stopcock	5	PB2615	£8.21	
	22mm x 22mm Stopcock	5	PB2622	£9.82	
	<b>MDPE Stopcocks</b> <i>(Polyfast) (cold water only)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	20mm MDPE x 15mm Polyfast Stopcock	5	PB262015	£12.45	
	25mm MDPE x 15mm Polyfast Stopcock	5	PB262515	£12.41	
	25mm MDPE x 22mm Polyfast Stopcock	5	PB262522	£15.81	
	<b>Spigot Draincock</b> <i>(Brass)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm Spigot Draincock	10	PB3615	£6.62	
	<b>Conduit Terminal Box</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Conduit Terminal Box including 15mm x 1/2" Wall Plate Elbow	2	PB4515	£7.49	
	Conduit Terminal Box Wall Plate	10	CTWP	£1.61	
	<b>Wall Plate Elbow</b> <i>(Brass)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	15mm x 1/2" BSP Wall Plate Elbow	5	PB1315	£12.62	
	22mm x 1/2" BSP Wall Plate Elbow	5	PB132212	£13.97	
	28mm x 1/2" BSP Wall Plate Elbow	5	PB132812	£26.18	

Use PTFE  
tape to seal  
threads

Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.

## Polyplumb Fittings - 10, 15, 22 & 28mm O.D.

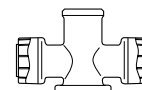
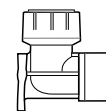


Wall Plate Elbow (Plastic) (cold water only)	Pack Qty	Code No	Price Each
15mm x 1/2" BSP Wall Plate Elbow	5	PB5315	£5.07
22mm x 1/2" BSP Wall Plate Elbow	5	PB532212	£5.58
22mm x 3/4" BSP Wall Plate Elbow	5	PB5322	£6.30

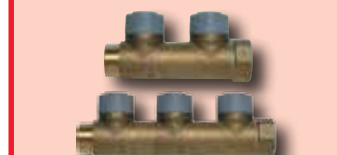
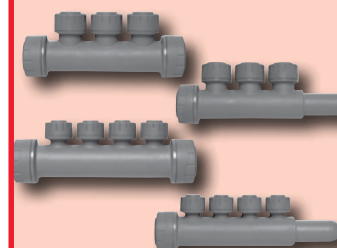
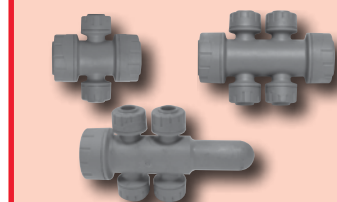
Use PTFE tape to seal threads

Wall Plate Tee (Brass)	Pack Qty	Code No	Price Each
15mm x 1/2" BSP Wall Plate Tee	5	PB5115	£13.97
22mm x 1/2" BSP Wall Plate Tee	5	PB512212	£15.24

Use PTFE tape to seal threads



## Polyplumb Manifold System



Polybutylene Double Sided Manifold	Pack Qty	Code No	Price Each
22mm x 10mm - 2 Port (Socket/Socket)	5	PB2822	£9.88
22mm x 10mm - 4 Port (Socket/Socket)	5	PB4822	£11.65
22mm x 10mm - 4 Port (Socket/Spigot)	5	PB4922	£11.65
(use Ball Valve to convert to Valved Manifold)			

Polybutylene Single Sided Manifold	Pack Qty	Code No	Price Each
22mm x 15mm - 3 Port (Socket/Socket)	1	PB7322153	£7.81
22mm x 15mm - 3 Port (Socket/Spigot)	1	PB7622153	£7.99
22mm x 10mm - 4 Port (Socket/Socket)	1	PB7322104	£11.52
22mm x 10mm - 4 Port (Socket/Spigot)	1	PB7622104	£11.52
(use Ball Valve to convert to Valved Manifold)			

Brass Single Sided Manifold Unvalved (Brass)	Pack Qty	Code No	Price Each
15mm x 3/4" Female/Male BSP 2 Port	1	PB47152	£15.70
15mm x 3/4" Female/Male BSP 3 Port	1	PB47153	£25.22

Use PTFE tape to seal threads

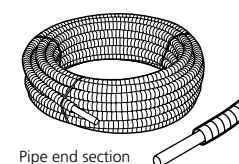
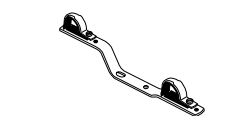
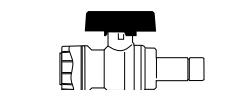
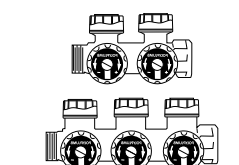
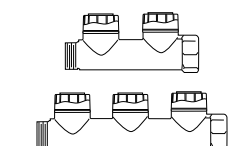
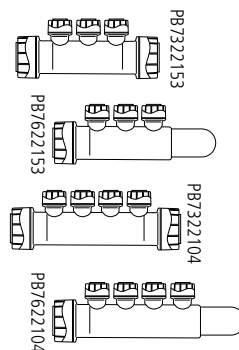
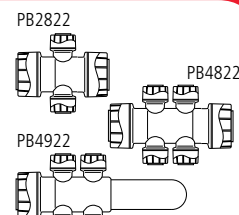
Brass Single Sided Manifold Valved (Brass)	Pack Qty	Code No	Price Each
15mm x 3/4" Female/Male BSP 2 Port	1	PB5234152	£32.78
15mm x 3/4" Female/Male BSP 3 Port	1	PB5234153	£50.25

Use PTFE tape to seal threads

Ball Valve (Brass)	Pack Qty	Code No	Price Each
15mm x 15mm Ball Valve - (Socket/Spigot)	5	PB4015	£14.97
(use to convert Unvalved to Valved version)			

Manifold Bracket (Metal)	Pack Qty	Code No	Price Each
3/4" Manifold Bracket	2	PB4634	£8.65

Barrier Pipe-in-Pipe	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PIP5010B	£149.81
15mm x 25 metre Coil	1	PIP2515B	£81.77
15mm x 50 metre Coil	1	PIP5015B	£163.73
22mm x 25 metre Coil	1	PIP2522B	£140.03




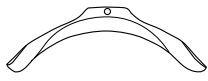






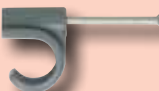
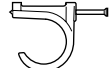

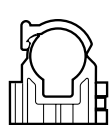

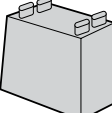
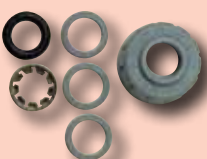
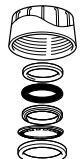

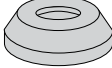

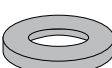



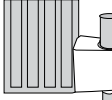
For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012





## Polyplumb Ancillaries - All prices shown are per pack excluding spare component kits and valve tidy which are priced each

	<b>Bend Former</b>	<b>Bend radius is 8 x Pipe diameter</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	15mm Bend Former		5	PB6315	£8.55	
	22mm Bend Former		5	PB6322	£11.94	
	<b>Pipe Stiffener (Plastic)</b>	<b>Must be used with Polybutylene pipe</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	10mm Pipe Stiffener		20	PB6410	£6.43	
	15mm Pipe Stiffener		50	PB6415	£15.64	
	22mm Pipe Stiffener		50	PB6422	£19.47	
	28mm Pipe Stiffener		20	PB6428	£11.58	
	<b>Pipe Stiffener (Stainless Steel)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	10mm Pipe Stiffener		20	PB6410M	£7.60	
	15mm Pipe Stiffener		50	PB6415M	£18.53	
	22mm Pipe Stiffener		50	PB6422M	£23.08	
	<b>Bulldog Clips (Polypropylene)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	15mm Bulldog Clip		50	PB2115	£5.50	
	22mm Bulldog Clip		50	PB2122	£8.27	
	28mm Bulldog Clip		50	PB2128	£11.36	
	<b>Nail-In Clips (Polypropylene)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	10mm Nail-In Clip		50	PB2210	£6.85	
	15mm Nail-In Clip		50	PB2215	£11.40	
	22mm Nail-In Clip		50	PB2222	£11.40	
	28mm Nail-In Clip		50	PB2228	£13.88	
	<b>Snap-Fit Clips (Polypropylene)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	10mm Snap-Fit Clip		50	PB2310	£7.74	
	15mm Snap-Fit Clip		50	PB2315	£11.77	
	22mm Snap-Fit Clip		50	PB2322	£11.77	
	28mm Snap-Fit Clip		50	PB2328	£15.97	
	<b>Pipe Clip Spacer (Polypropylene)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	10mm Pipe Clip Spacer		20	PB2410	£4.24	
	15mm Pipe Clip Spacer		20	PB2415	£3.92	
	22mm Pipe Clip Spacer		20	PB2422	£5.24	
	28mm Pipe Clip Spacer		20	PB2428	£6.94	
	<b>Spares Component Kit</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	10mm Spares Component Kit		10	PB9510	£1.97	
	15mm Spares Component Kit		10	PB9515	£1.27	
	22mm Spares Component Kit		10	PB9522	£1.70	
	28mm Spares Component Kit		5	PB9528	£4.67	
	<b>Conical E.P.D.M. Sealing Washer (for Tap Connector with brass nut)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	1/2" Sealing Washer		20	PB9312	£3.66	
	3/4" Sealing Washer		20	PB9334	£3.66	
	<b>Flat E.P.D.M. Sealing Washer (for Hand Tighten Tap Connector)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	1/2" Sealing Washer		20	PB9412	£3.66	
	3/4" Sealing Washer		20	PB9434	£3.66	
	<b>'O' Rings EPDM Rubber (must be lubricated before use with Silicone Lubricant)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	3/4" 'O' Ring		20	PB9034	£7.07	
	<b>Valve Tidy Cover (Polypropylene)</b>		<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Radiator Valve Cover Complete with Pipe Adaptors for 10mm/8mm pipe		6	VT149	£5.37	

Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.



## Polyplumb Ancillaries

	<b>Junction Inspection Box (Polypropylene)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Junction Box (75mm deep - grey)	1	JIB1	£5.07	
	Junction Box Lid (12mm plywood)	1	JIB2	£1.64	
	Junction Box (65mm deep - black)	1	JIB3	£4.95	
	<b>Silicone Lubricant, Solvent Cement and Cleaning Fluid</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Silicone Lubricant 100gm Screw Top Jar	10	SG100	£11.45	
	Solvent Cement c/w Brush 125ml (BS6209)	10	SC125	£8.83	
	Solvent Cement c/w Brush 250ml (BS6209)	10	SC250	£13.46	
	Solvent Cement c/w Brush 500ml (BS6209)	10	SC500	£24.39	
	Cleaning Fluid 250ml Tin	10	CF250	£9.63	
	<b>Boiler Overflow Pipe Guard</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Boiler Overflow Pipe Guard (Pipe Guard comes with x 2 Pipe Clips)	1	BOPG50	£6.42	
	<b>Self Adhesive Aluminium Tape</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	48mm wide x 46 metres long (do not stick to Polyplumb pipes)	24	ALTP	£13.68	
	<b>Pipe Cutters Standard</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	V Bladed Standard Cutter 10mm to 22mm	1	PB781	£16.71	
	<b>Pipe Cutters Ratchet</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Ratchet Type Cutters Replacement Blade for Ratchet Cutter	1 1	PB778 PB779	£25.35 £13.44	
	<b>System Test Kit</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Polyplumb System Test Kit	1	PB993	£457.28	
	<b>Under Floor Pipe Duct (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	50mm depth x 150mm width x 3 metre For 10, 15 & 22mm Pipe (requires 12mm thickness Cover Board)	5	FD50	£15.95	
	<b>Under Floor Pipe Duct (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	70mm depth x 150mm width x 3 metre For 28mm Pipe, Duct only - fittings fabricated on site (requires 12mm Cover Board)	5	FD70	£19.87	
	<b>Push-Fit Union (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Double Socket for 50mm only	10	FD52	£1.92	
	<b>Push-Fit 90° Angle (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Double Socket for 50mm only	10	FD53	£3.49	
	<b>Push-Fit 90° Tee (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Triple Socket for 50mm only	10	FD54	£3.90	
	<b>Push-Fit End Cap (PVCu)</b>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
	Single Socket for 50mm only (insert Solvent Weld pipe clips and base)	10	FD55	£1.16	
	<b>Solvent Weld Pipe Clips</b> (for use with PVCu Pipe Duct)	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pack</b>	
	15mm (ABS)	100	FDB15	£4.90	
	22mm (ABS)	100	FDB22	£7.02	
	28mm (ABS)	100	FDB28	£9.16	
	Pipe Clip Base Plate (PVC)	100	FDB93	£0.35	

For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012



Polyfit is the one step, fully demountable and reusable pushfit plumbing product, which combines with white polybutylene pipe to create a truly flexible, yet highly secure, plumbing system that is demountable and reusable when required.



**POLYFIT**  
The **FAST** and  
**DEMOUNTABLE** system



## Approvals and applications

- **WRAS** Listed in the WRAS Water Fittings and Materials Directory 
- **Standards Manufacturing Quality Assurance** - in accordance with BS EN ISO 9002 (BSI registered firm Certificate FM00318)   
FM00318
- **Installation Standard** - to follow the requirements of BS5955 - PART 8 2001 Plastic pipework (Thermoplastic Materials)
- **British Standard** - Class S rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2 
- **British Gas** - has accepted the Polyfit Class S Polybutylene pipe system as being acceptable for open vented and sealed central heating systems and are eligible for acceptance onto Home Care Central Heating System Cover
- Suitable for use in hot and cold water and heating systems in domestic properties

- Polyfit fittings should be used with white Polyfit pipes and other Polypipe specialist pipe systems such as conduit pipe
- All installation practices must be observed. See this guide and our website at [www.totallyplumbing.com](http://www.totallyplumbing.com) for more information

**POLYFIT**

The **FAST & DEMOUNTABLE** system

**PUSH  
FIT**

## The Polyfit system brings extensive benefits:

- One step operation, for quick and easy installation
- Flexible polybutylene pipe, for even the most difficult locations
- Fittings lock tight, preventing accidental release
- Fully demountable and re-usable when required

### 'Push click', that's it

The polybutylene pipe is simply inserted into the Polyfit fitting to engage. There's no need to make a quarter locking turn, just 'push click', that's it.

## Locked tight

Polyfit fittings lock tight in one click and can only be released when required, providing both installers and consumers with total piece of mind. Once engaged into the fitting it is completely secure against accidental release.

## Fully demountable

Polyfit fittings have been designed to be completely secure once installed. However, there will always be times when they need to be removed or adjusted, so they are also fully demountable when required.



For further information refer to Product Guide or [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: *June 2012*





## Polyfit Jointing, Dismantling & System Testing

### Jointing

There are four stages to successfully jointing the Polyfit system.

#### 1. Cutting Polyfit Pipe

Firstly check that the pipe is not scored or scratched in any way and if it is so cut back to a point where there is no damage present.

Using a Polyfit pipe cutter cut the pipe squarely using the "K" marks on the pipe as a guide.

#### 2. Use of pipe stiffener

Insert a pipe stiffener into the pipe (not required on copper pipes).



Cutting of Polyfit pipe



Inserting the pipe stiffener

#### 3. Inserting pipe fully into fitting

Check to ensure that the pipe and socket are clean and free from any contamination. Push pipe into the fitting, ensuring it is inserted to the full socket depth denoted by the next "K" mark on the pipe.

#### Lubricants

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

#### Insertion depth markers on fittings

Each fitting now has an insertion depth marker on the fitting body to aid with installation. The only way of being certain that a joint has been completed successfully is by using the insertion depth marks on the pipe for cutting and insertion purposes.

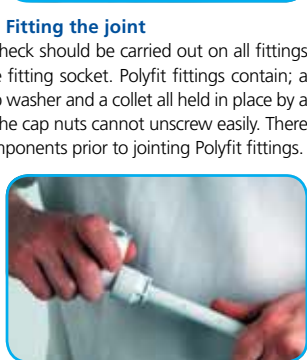


#### Visual check on Polyfit

Prior to fitting pipes into Polyfit fittings a visual check should be carried out on all fittings to ensure all components are present within the fitting socket. 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.

#### 4. Checking joint security

Tug back on pipe to check it is inserted fully.



Securing the joint

### Fitting with copper pipe

Connecting Polyfit to copper pipes. Cut the copper pipe using a rotational pipe cutter. Mark the copper pipe insertion depth as shown in the table below. Follow steps 3 and 4 using the mark as a socket depth guide.

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

### 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.

### System testing

Pressure testing of the pipe system is essential however a successful pressure test using the following steps is not a guarantee of complete and correct installation and only ensures that pipes have been inserted into fittings passed both the 'o' ring and the grab ring. If pipes have been scored or scratched during the installation process a high pressure test as below may not highlight these issues.

#### 1st fix installations

Only pipe and fittings should be tested. The system should be completely filled using water at a maximum of 20°C and a test pressure of 18 Bar, which should be applied for at least 15 minutes and no longer than 1 hour. Joint security can be checked visually and by tugging at joints.

#### 2nd fix installations

Complete installations, including appliances, should be tested with water to the maximum test pressure allowed by the manufacturers.

Please note, due to health and safety reasons Polypipe do not recommend air testing of pipework installations.

### Polyfit Flexible Connectors

Flexible hose connectors are the latest 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 connectors include the Polyfit one step joint feature, which are quick and easy to install and are ideal for use in tricky to reach or tight locations.

- All Polyfit flexible connectors 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 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.  
See pages 21-22 for details.

### Selecting your Polyfit Flexible Connector

#### Polyfit Fitting 15mm and 22mm

Polyfit push fit connections... just push, click, Polyfit ends are secure in use but also fully demountable and reusable



#### Polyfit Chrome Plated Valve 15mm and 22mm

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



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

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



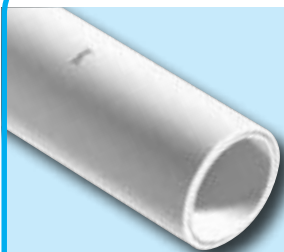
#### Compression Fitting 15mm and 22mm

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

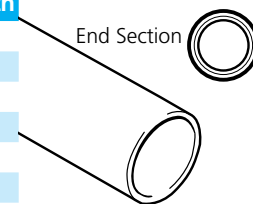




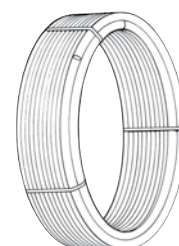
## Polyfit Pipe & Fittings - 10, 15, 22 & 28mm O.D.



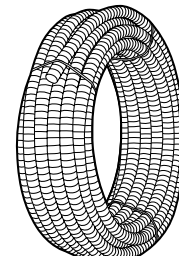
Barrier Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 2 metre Cut Length	10	FIT215B	£4.15
15mm x 3 metre Cut Length	10	FIT315B	£6.11
15mm x 6 metre Cut Length	10	FIT615B	£11.97
22mm x 2 metre Cut Length	10	FIT222B	£7.96
22mm x 3 metre Cut Length	10	FIT322B	£11.58
22mm x 6 metre Cut Length	10	FIT622B	£22.32
28mm x 3 metre Cut Length	10	FIT328B	£17.12
28mm x 6 metre Cut Length	10	FIT628B	£34.03



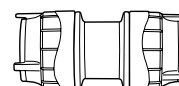
Barrier Polybutylene Pipe Coils - (featuring "Plumb Straight" Coiling Technology)	Pack Qty	Code No	Price Each
10mm x 25 metre Coil	1	FIT2510B	£40.56
10mm x 50 metre Coil	1	FIT5010B	£84.28
10mm x 100 metre Coil	1	FIT10010B	£162.27
15mm x 25 metre Coil	1	FIT2515B	£48.39
15mm x 50 metre Coil	1	FIT5015B	£96.78
15mm x 100 metre Coil	1	FIT10015B	£192.42
15mm x 120 metre Coil	1	FIT12015B	£230.88
15mm x 150 metre Coil	1	FIT15015B	£288.35
22mm x 25 metre Coil	1	FIT2522B	£94.40
22mm x 50 metre Coil	1	FIT5022B	£183.32
28mm x 25 metre Coil	1	FIT2528B	£105.36
28mm x 50 metre Coil	1	FIT5028B	£208.41



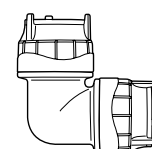
Conduit Pipe Coils (Polypropylene)	Pack Qty	Code No	Price Each
15mm x 25 metre Conduit Pipe Coil (Black)	1	CPC1525	£26.50
15mm x 50 metre Conduit Pipe Coil (Black)	1	CPC1550	£53.31
22mm x 25 metre Conduit Pipe Coil (Black)	1	CPC2225	£33.12
22mm x 50 metre Conduit Pipe Coil (Black)	1	CPC2250	£66.61
15mm x 25 metre Conduit Pipe Coil (Red)	1	CPC1525R	£28.63
15mm x 50 metre Conduit Pipe Coil (Red)	1	CPC1550R	£57.56
22mm x 25 metre Conduit Pipe Coil (Red)	1	CPC2225R	£38.40
22mm x 50 metre Conduit Pipe Coil (Red)	1	CPC2250R	£77.26
15mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC1525BU	£28.63
15mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC1550BU	£57.56
22mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC2225BU	£38.40
22mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC2250BU	£77.26



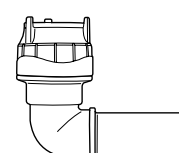
Straight Coupler	Pack Qty	Code No	Price Each
10mm Straight Coupler	10	FIT010	£2.14
15mm Straight Coupler	10	FIT015	£1.58
22mm Straight Coupler	10	FIT022	£2.49
28mm Straight Coupler	5	FIT028	£6.44



Elbow	Pack Qty	Code No	Price Each
10mm Elbow	10	FIT110	£2.64
15mm Elbow	10	FIT115	£1.88
22mm Elbow	10	FIT122	£2.98
28mm Elbow	5	FIT128	£7.35



Spigot Elbow	Pack Qty	Code No	Price Each
10mm Spigot Elbow	10	FIT1010	£3.26
10mm x 15mm Spigot Elbow	10	FIT101510	£3.47
15mm Spigot Elbow	10	FIT1015	£3.67
22mm Spigot Elbow (not suitable for use with compression fittings)	10	FIT1022	£5.59



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Polypipe Plumbing & Heating Systems Trade Price List: June 2012





## Polyfit Fittings - 10, 15, 22 & 28mm O.D.



Equal Tee	Pack Qty	Code No	Price Each
10mm Equal Tee	10	FIT210	£3.09
15mm Equal Tee	10	FIT215	£2.72
22mm Equal Tee	10	FIT222	£4.03
28mm Equal Tee	5	FIT228	£10.36

End Reduced Tee	Pack Qty	Code No	Price Each
15mm x 10mm x 15mm End Reduced Tee	5	FIT1415	£4.31
22mm x 15mm x 22mm End Reduced Tee	5	FIT1422	£4.54
28mm x 22mm x 28mm End Reduced Tee	5	FIT1428	£11.71

Branch Reduced Tee	Pack Qty	Code No	Price Each
15mm x 15mm x 10mm Branch Reduced Tee	5	FIT1115	£4.13
22mm x 22mm x 10mm Branch Reduced Tee	5	FIT112210	£4.54
22mm x 22mm x 15mm Branch Reduced Tee	5	FIT1122	£4.54
28mm x 28mm x 22mm Branch Reduced Tee	5	FIT1128	£11.71

Branch and one End Reduced Tee	Pack Qty	Code No	Price Each
15mm x 10mm x 10mm Branch & One End Reduced Tee	5	FIT1515	£4.54
22mm x 15mm x 15mm Branch & One End Reduced Tee	5	FIT1522	£4.54
28mm x 22mm x 22mm Branch & One End Reduced Tee	5	FIT1528	£11.71

Two Ends Reduced Tee	Pack Qty	Code No	Price Each
15mm x 15mm x 22mm 2 End Reduced Tee	5	FIT1622	£4.62

Socket Reducer	Pack Qty	Code No	Price Each
15mm x 10mm Socket Reducer	10	FIT1815	£1.83
22mm x 15mm Socket Reducer (not suitable for use with compression fittings)	10	FIT1822	£2.38
28mm x 15mm Socket Reducer (not suitable for use with compression fittings)	10	FIT182815	£5.00
28mm x 22mm Socket Reducer (not suitable for use with compression fittings)	5	FIT1828	£5.35

Reducing Coupler	Pack Qty	Code No	Price Each
15mm x 10mm Reducing Coupler	5	FIT5815	£3.81
22mm x 10mm Reducing Coupler	5	FIT582210	£4.70
22mm x 15mm Reducing Coupler	5	FIT5822	£4.49

Tank Connector (cold water only)	Pack Qty	Code No	Price Each
15mm x 1/2" Tank Connector	10	FIT3815	£2.72
22mm x 3/4" Tank Connector	10	FIT3822	£3.47

Complete with E.P.D.M. Sealing Washer (tighten by hand)

Straight Tap Connector (Brass Connecting Nut)	Pack Qty	Code No	Price Each
15mm x 1/2" Straight Tap Connector (1)	10	FIT715	£3.18
15mm x 3/4" Straight Tap Connector (2)	5	FIT71534	£3.75
22mm x 3/4" Straight Tap Connector (2)	5	FIT722	£4.14

(1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)

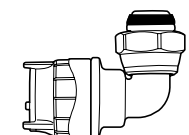
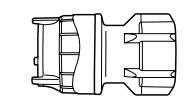
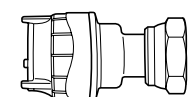
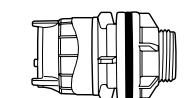
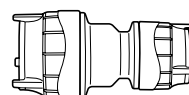
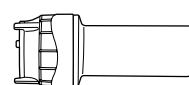
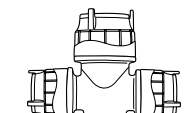
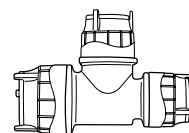
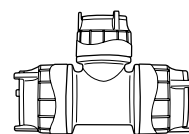
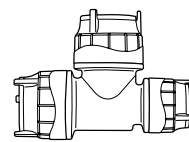
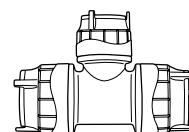
(2) Complete with fibre sealing washer (tighten by hand plus a further 1/6 of a turn with a spanner)

Hand Tighten Tap Connector (not suitable for central heating)	Pack Qty	Code No	Price Each
10mm x 1/2" Hand Tighten Tap Connector	10	FIT271012	£3.05
15mm x 1/2" Hand Tighten Tap Connector	10	FIT2715	£1.77
15mm x 3/4" Hand Tighten Tap Connector	5	FIT271534	£3.89
22mm x 3/4" Hand Tighten Tap Connector	5	FIT2722	£2.67

Complete with E.P.D.M. Sealing Washer

Bent Tap Connector (Brass Connecting Nut)	Pack Qty	Code No	Price Each
15mm x 1/2" Bent Tap Connector	10	FIT1715	£4.00


































Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)



Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.



## Polyfit Fittings - 10, 15, 22 & 28mm O.D.

		<b>Flexible Hose Tap Connector -</b> <i>150mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT5715	£6.82	
		<b>Flexible Hose Tap Connector -</b> <i>300mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT6815	£6.25	
		15mm x 3/4" Flexible Hose Tap Connector	2	FIT681534	£7.87	
		22mm x 3/4" Flexible Hose Tap Connector	2	FIT6822	£7.18	
		<b>Flexible Hose Tap Connector -</b> <i>500mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT8315	£8.99	
		15mm x 3/4" Flexible Hose Tap Connector	2	FIT831534	£10.17	
		22mm x 3/4" Flexible Hose Tap Connector	2	FIT8322	£10.83	
		<b>Flexible Hose Tap Connector -</b> <i>1000mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT8015	£17.30	
		15mm x 3/4" Flexible Hose Tap Connector	2	FIT801534	£19.53	
		22mm x 3/4" Flexible Hose Tap Connector	2	FIT8022	£21.90	
		<b>Flexible Hose Tap Connector with Service Valve</b> <i>- 300mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT8415	£16.53	
		22mm x 3/4" Flexible Hose Tap Connector	2	FIT8422	£30.13	
		<b>Flexible Hose Tap Connector with Service Valve</b> <i>- 500mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 1/2" Flexible Hose Tap Connector	2	FIT8715	£21.47	
		15mm x 3/4" Flexible Hose Tap Connector	2	FIT871534	£23.62	
		<b>Flexible Polyfit Connector with Service Valve</b> <i>- 300mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 15mm Flexible Polyfit Connector	2	FIT8815	£17.15	
		<b>Flexible Polyfit Connector with Service Valve</b> <i>- 500mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 15mm Flexible Polyfit Connector	2	FIT8915	£19.69	
		<b>Flexible Polyfit Connector -</b> <i>300mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 15mm Flexible Polyfit Connector	2	FIT8115	£8.47	
		22mm x 22mm Flexible Polyfit Connector	2	FIT8122	£10.37	
		<b>Flexible Polyfit Connector -</b> <i>500mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Each</b>	
		15mm x 15mm Flexible Polyfit Connector	2	FIT8215	£12.44	
		22mm x 22mm Flexible Polyfit Connector	2	FIT8222	£14.15	
		<b>Monobloc Mixer Tap Flexible Connector -</b> <i>300mm long (not suitable for central heating)</i>	<b>Pack Qty</b>	<b>Code No</b>	<b>Price Per Pair</b>	
		15mm x M10 Flexible Polyfit Connector	Set of 2	FIT7515M10	£12.57	
		15mm x M12 Flexible Polyfit Connector	Set of 2	FIT7515M12	£12.57	
		Supplied in pairs with offset nuts to aid installation to mixer tap				

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Polypipe Plumbing & Heating Systems Trade Price List: June 2012



## Polyfit Fittings - 10, 15, 22 & 28mm O.D.

	<b>Compression Flexible Hose Tap Connector</b> - 300mm long (not suitable for central heating)				
	15mm x 1/2" Flexible Hose Tap Connector	2	FIT9615	£6.65	
	22mm x 3/4" Flexible Hose Tap Connector	2	FIT9622	£7.36	
	<b>Compression Flexible Hose Tap Connector</b> - 500mm long (not suitable for central heating)				
	15mm x 1/2" Flexible Hose Tap Connector	2	FIT9815	£9.44	
	22mm x 3/4" Flexible Hose Tap Connector	2	FIT9822	£11.32	
	<b>Compression Flexible Hose Tap Connector with Service Valve</b> - 300mm long (not suitable for central heating)				
	15mm x 1/2" Flexible Hose Tap Connector	2	FIT9715	£15.48	
	22mm x 3/4" Flexible Hose Tap Connector	2	FIT9722	£28.21	
	<b>90° Elbow Flexible Hose Connector</b>				
	90° Elbow Flexible Hose Connector	2	FIT7115	£8.88	
	<b>Male BSPT Adaptor (DZR Brass Body)</b>				
	10mm x 1/2" Male BSPT Adaptor	10	FIT431012	£7.16	
	15mm x 1/2" Male BSPT Adaptor	10	FIT4315	£7.29	
	22mm x 3/4" Male BSPT Adaptor	10	FIT4322	£11.86	
	28mm x 1" Male BSPT Adaptor	5	FIT4328	£23.31	
	<b>Female BSP Adaptor (DZR Brass Body)</b>				
	10mm x 1/2" Female BSP Adaptor	10	FIT441012	£6.64	
	15mm x 1/2" Female BSP Adaptor	10	FIT4415	£8.07	
	22mm x 3/4" Female BSP Adaptor	10	FIT4422	£11.57	
	<b>MDPE x PolyFit Adaptor (cold water only)</b>				
	20mm x 15mm MDPE x PolyFit Adaptor	5	FIT422015	£7.57	
	25mm x 15mm MDPE x PolyFit Adaptor	5	FIT422515	£11.30	
	25mm x 22mm MDPE x PolyFit Adaptor	5	FIT422522	£8.94	
	<b>Gate Valve</b>				
	15mm Gate Valve	5	FIT3115	£15.05	
	22mm Gate Valve	5	FIT3122	£18.59	
	<b>Radiator Connector Bend "RCB"</b> (Pipe Stiffeners must be used on each end)				
	10mm Radiator Connector Bend	10	PB3910	£1.75	
	15mm Radiator Connector Bend	10	PB3915	£1.92	
	<b>Radiator Terminal Plate</b>				
	Radiator Terminal Plate	10	RTP10	£7.93	

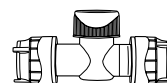
Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.



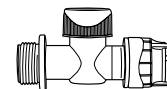
## Polyfit Fittings - 10, 15, 22 & 28mm O.D.



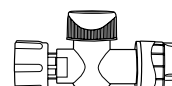
Shut-Off Valve <i>(not suitable for central heating)</i>	Pack Qty	Code No	Price Each
15mm x 15mm Shut-Off Valve Warm/Cold	5	FIT5915	£5.91
(Please note these valves now contain a plain white index)			



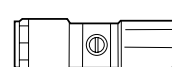
Appliance Valve <i>(not suitable for central heating)</i>	Pack Qty	Code No	Price Each
15mm x 3/4" Appliance Valve Warm/Cold	5	FIT6115	£5.22
(Please note these valves now contain a plain white index)			



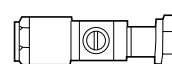
Service Valve <i>(not suitable for central heating)</i>	Pack Qty	Code No	Price Each
15mm x 1/2" Straight Service Valve	5	FIT6515	£7.45
(Please note these valves now contain a plain white index)			



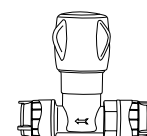
Chrome Plated Service Valve <i>(Brass)</i>	Pack Qty	Code No	Price Each
15mm x 15mm Brass c/p Service Valve	5	FIT8515	£15.72
22mm x 22mm Brass c/p Service Valve	5	FIT8522	£35.23



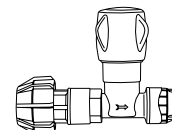
Chrome Plated Service Valve with Tap Connector <i>(Brass)</i>	Pack Qty	Code No	Price Each
15mm x 1/2" Brass c/p Service Valve	5	FIT8615	£15.57
22mm x 3/4" Brass c/p Service Valve	5	FIT8622	£38.21



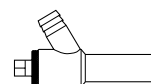
Stopcock <i>(cold water only)</i>	Pack Qty	Code No	Price Each
15mm x 15mm Stopcock	5	FIT2615	£8.77
22mm x 22mm Stopcock	5	FIT2622	£11.83



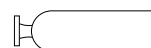
MDPE Stopcock <i>(cold water only)</i>	Pack Qty	Code No	Price Each
20mm MDPE x 15mm Polyfit Stopcock	5	FIT262015	£11.13
25mm MDPE x 22mm Polyfit Stopcock	5	FIT262522	£16.10



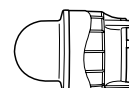
Spigot Draincock <i>(Brass)</i>	Pack Qty	Code No	Price Each
15mm Spigot Draincock	10	FIT3615	£8.77



Spigot Blank Ends <i>(not suitable for use with compression fittings)</i>	Pack Qty	Code No	Price Each
10mm Spigot Blank End	10	FIT910	£0.86
15mm Spigot Blank End	10	FIT915	£0.80
22mm Spigot Blank End	10	FIT922	£0.98
(with reinforcing sleeve)			

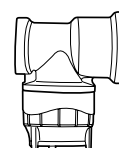


Socket Blank Ends	Pack Qty	Code No	Price Each
10mm Socket Blank End	10	FIT1910	£2.13
15mm Socket Blank End	10	FIT1915	£2.14
22mm Socket Blank End	10	FIT1922	£2.59
28mm Socket Blank End	5	FIT1928	£3.65



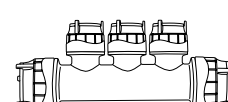
Wall Plate Elbow <i>(Brass)</i>	Pack Qty	Code No	Price Each
15mm x 1/2" BSP Wall Plate Elbow	5	FIT1315	£13.16

Use PTFE tape to seal threads



Polybutylene Double Sided Manifold	Pack Qty	Code No	Price Each
22mm x 10mm - 2 Port (Socket/Socket)	5	FIT2822	£8.19
22mm x 10mm - 4 Port (Socket/Socket)	5	FIT4822	£9.43

Polybutylene Single Sided Manifold	Pack Qty	Code No	Price Each
22mm x 10mm - 4 Port (Socket/Socket)	1	FIT7322104	£9.66
22mm x 15mm - 3 Port (Socket/Socket)	1	FIT7322153	£8.09



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Polypipe Plumbing & Heating Systems Trade Price List: June 2012

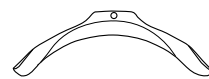




## Polyfit Ancillaries - All prices shown are per pack unless stated



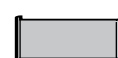
Bend Former	Pack Qty	Code No	Price Per Pack
15mm Bend Former	5	PB6315	£8.55
22mm Bend Former	5	PB6322	£11.94
(bend radius is 8 x pipe diameter)			



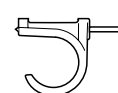
Pipe Stiffener (Plastic)	Pack Qty	Code No	Price Per Pack
10mm Pipe Stiffener	20	PB6410	£6.43
15mm Pipe Stiffener	50	PB6415	£15.64
22mm Pipe Stiffener	50	PB6422	£19.47
28mm Pipe Stiffener	20	PB6428	£11.58
(must be used with Polybutylene pipe)			



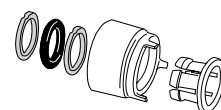
Pipe Stiffener (Stainless Steel)	Pack Qty	Code No	Price Per Pack
10mm Pipe Stiffener	20	PB6410M	£7.60
15mm Pipe Stiffener	50	PB6415M	£18.53
22mm Pipe Stiffener	50	PB6422M	£23.08
(must be used with Polybutylene pipe)			



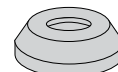
Nail-In Clips (Polypropylene)	Pack Qty	Code No	Price Per Pack
10mm Nail-In Clip	50	FIT2210	£10.31
15mm Nail-In Clip	50	FIT2215	£13.98
22mm Nail-In Clip	50	FIT2222	£17.66
28mm Nail-In Clip	50	FIT2228	£20.60



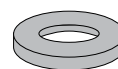
Spares Component Kit	Pack Qty	Code No	Price Each
10mm Spares Component Kit	10	FIT9510	£2.01
15mm Spares Component Kit	10	FIT9515	£1.30
22mm Spares Component Kit	10	FIT9522	£1.65
28mm Spares Component Kit	5	FIT9528	£4.75



Conical E.P.D.M. Sealing Washer For Tap Connector with Brass Nut	Pack Qty	Code No	Price Per Pack
1/2" Sealing Washer	20	PB9312	£3.66
3/4" Sealing Washer	20	PB9334	£3.66



Flat E.P.D.M. Sealing Washer For Hand Tighten Tap Connector	Pack Qty	Code No	Price Per Pack
1/2" Sealing Washer	20	PB9412	£3.66
3/4" Sealing Washer	20	PB9434	£3.66



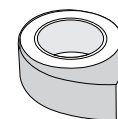
'O'-Rings (EPDM Rubber)	Pack Qty	Code No	Price Per Pack
3/4" 'O' Ring	20	PB9034	£7.07
(must be lubricated before use with Silicone Lubricant)			



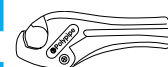
PolyFit Fitting Release Aid	Pack Qty	Code No	Price Per Set
Set of 4 for 10mm, 15mm, 22mm and 28mm fittings, a useful tool to assist in demounting PolyFit fittings, but not essential	Per Set	FITAID	£1.92



Self Adhesive Aluminium Tape	Pack Qty	Code No	Price Each
48mm wide x 46 metres long	24	ALTP	£13.68
(do not stick to Polyplumb pipes)			



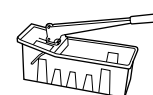
Pipe Cutters Standard	Pack Qty	Code No	Price Each
V Bladed Standard Cutter 10mm to 22mm	1	PB781	£16.71



Pipe Cutters Ratchet	Pack Qty	Code No	Price Each
Ratchet Type Cutters	1	PB778	£25.35
Replacement Blade for Ratchet Cutter	1	PB779	£13.44



System Test Kit	Pack Qty	Code No	Price Each
Polyplumb System Test Kit	1	PB993	£457.28



Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.

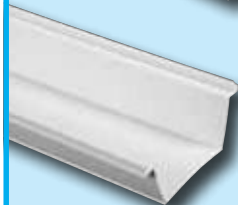
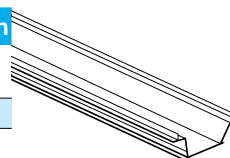




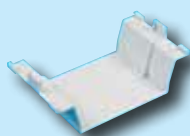
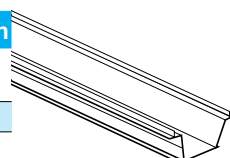
## Heating Ancillaries



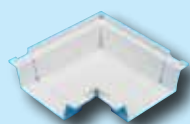
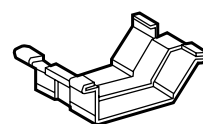
Underfloor Pipe Duct (PVCu)	Pack Qty	Code No	Price Each
50mm depth x 150mm width x 3 metre For 10, 15 & 22mm Pipework (requires 12mm thickness Cover Board)	5	FD50	£15.95



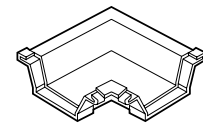
Underfloor Pipe Duct (PVCu)	Pack Qty	Code No	Price Each
70mm depth x 150mm width x 3 metre For 28mm Pipework Requires 12mm Cover Board (Duct only - fittings fabricated on site)	5	FD70	£19.87



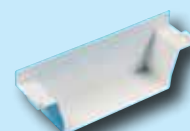
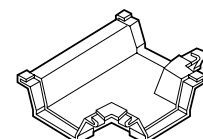
Push-Fit Union (PVCu)	Pack Qty	Code No	Price Each
Double Socket for 50mm only	10	FD52	£1.92



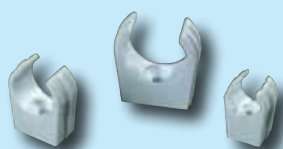
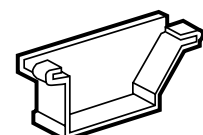
Push-Fit 90° Angle (PVCu)	Pack Qty	Code No	Price Each
Double Socket for 50mm only	10	FD53	£3.49



Push-Fit 90° Tee (PVCu)	Pack Qty	Code No	Price Each
Triple Socket for 50mm only	10	FD54	£3.90



Push-Fit End Cap (PVCu)	Pack Qty	Code No	Price Each
Single Socket for 50mm only (insert Solvent Weld pipe clips and base)	10	FD55	£1.16



Solvent Weld Pipe Clips (for use with PVCu Pipe Duct)	Pack Qty	Code No	Price Per Pack
15mm (ABS)	100	FDB15	£4.90
22mm (ABS)	100	FDB22	£7.02
28mm (ABS)	100	FDB28	£9.16
Pipe Clip Base Plate (PVC)	100	FDB93	£0.35



Silicone Lubricant, Solvent Cement and Cleaning Fluid	Pack Qty	Code No	Price Each
Silicone Lubricant 100gm Screw Top Jar	10	SG100	£11.45
Solvent Cement c/w Brush 125ml (BS6209)	10	SC125	£8.83
Solvent Cement c/w Brush 250ml (BS6209)	10	SC250	£13.46
Solvent Cement c/w Brush 500ml (BS6209)	10	SC500	£24.39
Cleaning Fluid 250ml Tin	10	CF250	£9.63



For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012

Polysure is a range of radial press fit fittings, the first in UK sizes, for use with Polyplumb or Polyfit pipes in domestic applications. Choosing Polysure combines the benefits of flexible polybutylene pipe systems with emerging press fit fitting technology.



**POLYSURE**  
The **SLIM** and  
**PERMANENT** system



## Approvals and applications

- **WRAS** Listed in the WRAS Water Fittings and Materials Directory
- **Installation Standard** - to follow the requirements of BS5955 - PART 8 2001 Plastic pipework (Thermoplastic Materials)
- **British Standard** - Class S rated to BS7291 Part 1 and Kitemark Licence Number 38148 to BS7291 Part 1 & 2
- Suitable for use in hot and cold water and heating systems in domestic properties
- Polysure fittings can be used with Polyfit and Polyplumb pipes and systems can contain a mix of fittings
- All installation practices must be observed. See this guide and our website at [www.totallyplumbing.com](http://www.totallyplumbing.com) for more information



**POLYSURE**

The **SLIM** & **PERMANENT** system



## Polysure offers a number of benefits, including:

- Flexible plastic piping eases the installation process and speeds up time to install
- Reduced risk of theft because of low re-sale value of plastics
- Reduced wastage as all pipes used are also compatible with Polyplumb and Polyfit push fit fittings
- Press fit fittings reduce the risk of tampering, an important factor in some projects such as social housing
- The slim profile brass fittings are easily accommodated into existing buildings including boxing designed for copper systems
- Polysure provides an enhanced joint to pipes via a visual pipe socket depth indicator and double 'O' ring seal
- Polysure fittings are designed specifically for Polypipe's UK sized pipes
- A location washer for pressing ensures jaws are correctly positioned for pressing onto grey Polyplumb and white Polyfit pipes
- Safe, heat-free jointing with no more jointing consumables to buy such as flux and solder saving cost



For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: *June 2012*





## Polysure Jointing and System Testing

### Jointing

There are six stages to completing a joint which uses Polysure fittings. Each step is covered in detail here.

Unlike the other Polypipe systems, Polyplumb and Polyfit, the Polysure system requires some specialist pressing tools which can be purchased directly from Polypipe or via the manufacturers stockists. Polypipe recommends using REMS pressing equipment who have a reputation for manufacturing durable products that can stand up to today's site conditions. For full details of products, instructions, servicing requirements and warranties please visit [www.rems.de](http://www.rems.de).

#### 1. Cutting pipe

Firstly check that the pipe is not scored or scratched in any way and if it is so cut back to a point where there is no damage present. Pipes should be cut squarely using an approved Polypipe cutter. As there is a visual indicator on each fitting which is used to identify that a pipe has been inserted into the fitting correctly it is not essential that pipes are cut on the K marks. It is however essential that pipes are squarely as this may affect chamfering (see step 2).



Cutting of Pipe

#### 2. Chamfering the pipes

As Polysure fittings use press fit technology which seals on the pipe bore it is necessary to provide an internal lead on the pipe end so the square edge of the pipe does not damage the 'O' ring seals. On push fit fittings this lead in is provided by the pipe stiffener. Polypipe offer specific pipe chamfering tools for our Polyplumb and Polyfit pipes and these must always be used. The chamfering tools are available in either individual tools or as a block of four dependent on the installers preference however all work in the same way.

The chamfer tool spigot should be inserted down the bore of the pipe until contact is made with the blades then the chamfer tool should be twisted gently to provide a lead in. Any debris should be removed from the pipe end and the chamfer tool. Check that the pipe has been cleanly chamfered around the full diameter of the pipe. If not repeat step 2, if so proceed to step 3.



Chamfering of Pipe

#### 3. Insert pipe into fitting

Check to ensure that the pipe and socket are clean and free from any contamination. Polysure pipes have a visual indicator to assist the installer in jointing pipes and fittings together. The chamfered Polyplumb or Polyfit pipe should be inserted into the Polysure fitting and pushed in until pipe can be seen through the hole in the stainless steel pressing sleeve. When this has been done the joint is ready for pressing.



Insert pipe in to fitting until pipe is visible in hole of sleeve

#### Lubricants

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

#### 4. Preparing the pressing tools

There are three types of pressing tool recommended for jointing Polysure fittings. The REMS Eco Press is a manual pressing tool which can be used on 10mm, 15mm and 22mm joints only but provides the installer with a light weight, low cost entry pressing tool which can be used in most situations. Alternatively the battery operated tools (mini or standard version) can be used where a high volume of joints needs to be done in a short space of time. The battery operated tools must be used for 28mm fittings.

The 10mm, 15mm and 22mm Polypipe TH pressing jaws have been designed to fit both the manual and standard battery operated pressing tools. The mini pressing jaws are only compatible with the mini pressing gun and can not be used with the manual or standard battery operated guns. All jaws are specifically designed to press Polysure press fit fittings and should only be used for these fittings. Likewise no other pressing jaw should be used for Polysure fittings.

#### Manual pressing tool

Secure the jaw in the tool by firstly removing the locking pins from the Eco Press, lining up the holes in the Eco Press with those in the jaw and re-inserting the locking pins.



#### Battery operated pressing tool

To insert a Polypipe TH jaw into the battery operated gun, press the release catch on the locking pin on the gun. Slide the jaw into the gun aligning the centre hole in the jaw with the locking pin and push the locking pin back into position until locked. Once the jaws are locked in the respective machine the pressing tools are now ready to complete the joint process.



#### 5. Securing the joint

Whether using the manual or battery operated press gun the jaws are located on to the fitting in exactly the same manner.

Do a final check to ensure that the pipe is still inserted fully into the fitting then using the white washer as a location point fix the jaws over the fitting in the un-pressed condition.

#### Manual pressing tool

The levers can now be closed completely ensuring that the two stops on the press tool are touching. Extension pieces are included with the Eco Press if extra leverage is required to completely close the tool. Only when the tool has been completely closed with the two stops touching is the joint fully secured. The levers can then be opened and the fitting will be released from the jaws.



Securing the joint

#### Battery operated pressing tool

The trigger can now be pressed on the tool to start the pressing process.

Keep the trigger depressed until the jaws have closed completely and the pressing machine clicks to denote the end of the process. Note: once the process is underway it must be completed before the safety catch can be pressed to allow the jaws to be released.

#### 6. Checking the joint

Finally check that the fitting has been pressed successfully by ensuring that the TH pressing profile has been indented consistently around the full circumference of the fitting. The white washer should not be damaged or have moved in any way, if so discard the fitting and re-press a replacement fitting. Spare pressing sleeves and washers are available to purchase if required. Once Polysure fittings have been pressed they are not demountable.



Checking the joint

### System testing

Pressure testing of the pipe system is essential however a successful pressure test using the following steps is not a guarantee of complete and correct installation and only ensures that pipes have been inserted into fittings passed both the 'o' ring and the grab ring. If pipes have been scored or scratched during the installation process a high pressure test as below may not highlight these issues.

#### 1st fix installations

Pipe and fittings only should be tested. The system should be completely filled using water at not more than 20°C at a test pressure of 18 Bar which should be applied for not less than 15 minutes and no longer than 1 hour. Joint security can be checked visually and by tugging at joints.

#### 2nd fix installations

Complete installations including appliances should be tested with water to the maximum test pressure allowed by manufacturers of the appliances and fittings. Please note, due to health and safety reasons Polypipe do not recommend air testing of pipework installations.

### Pressure testing in sub zero temperatures

Special precautions are necessary if the pressure testing is to take place in sub-zero temperatures.

This applies particularly in under floor central heating systems using the screeded floor system where most of the pipe is encased in concrete. Due to the contact between pipe and floor panel on screeded installations, where the screed does not completely surround the pipe, there may be points where strain is created on the pipe in freezing conditions which is not normally present.

Therefore it is advisable to drain the under floor central heating system once testing and screeding has been completed.

Precautions should also be taken where installations contain large quantities of fittings which due to the rigidity of their construction may put undue pressure on the pipe.

For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012





## Polysure Fittings - 10, 15, 22 & 28mm O.D.



Straight Couplers	Pack Qty	Code No	Price Each
10mm Straight Coupler	10	SUR010	£5.23
15mm Straight Coupler	10	SUR015	£4.50
22mm Straight Coupler	10	SUR022	£8.99
28mm Straight Coupler	10	SUR028	£13.54

Socket x Socket Reducer	Pack Qty	Code No	Price Each
15mm x 10mm Socket x Socket Reducer	10	SUR5815	£5.38
22mm x 15mm Socket x Socket Reducer	10	SUR5822	£7.24
28mm x 15mm Socket x Socket Reducer	10	SUR582815	£12.23
28mm x 22mm Socket x Socket Reducer	10	SUR5828	£13.54

90° Elbow	Pack Qty	Code No	Price Each
10mm Elbow	10	SUR110	£4.73
15mm Elbow	10	SUR115	£4.80
22mm Elbow	10	SUR122	£10.49
28mm Elbow	10	SUR128	£15.24

Equal Tees	Pack Qty	Code No	Price Each
15mm Equal Tee	10	SUR215	£6.74
22mm Equal Tee	10	SUR222	£14.81
28mm Equal Tee	10	SUR228	£28.31

Branch Reduced Tees	Pack Qty	Code No	Price Each
15mm x 15mm x 10mm Branch Reduced Tee	10	SUR1115	£7.75
22mm x 22mm x 15mm Branch Reduced Tee	10	SUR1122	£12.80
28mm x 28mm x 15mm Branch Reduced Tee	10	SUR112815	£16.97
28mm x 28mm x 22mm Branch Reduced Tee	10	SUR1128	£20.04

End Reduced Tees	Pack Qty	Code No	Price Each
22mm x 15mm x 22mm End Reduced Tee	10	SUR1422	£12.80
28mm x 22mm x 28mm End Reduced Tee	10	SUR1428	£20.04

Branch and End Reduced Tees	Pack Qty	Code No	Price Each
22mm x 15mm x 15mm Branch and End Reduced Tee	10	SUR1522	£11.34
28mm x 22mm x 22mm Branch and End Reduced Tee	10	SUR1528	£18.81

Straight Tap Connector	Pack Qty	Code No	Price Each
15mm x 1/2" Straight Tap Connector (1)	10	SUR715	£9.40
15mm x 3/4" Straight Tap Connector (2)	10	SUR71534	£10.17
22mm x 3/4" Straight Tap Connector (2)	10	SUR722	£11.53

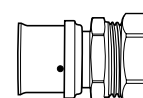
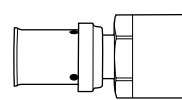
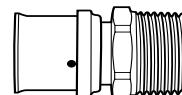
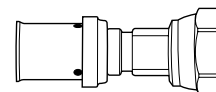
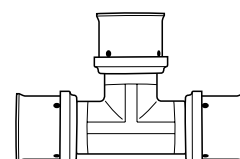
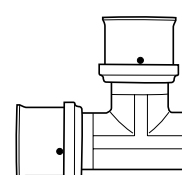
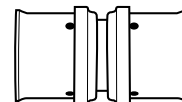
Bent Tap Connector	Pack Qty	Code No	Price Each
15mm x 1/2" Bent Tap Connector (1)	10	SUR1715	£9.45

(1) Complete with E.P.D.M. Sealing Washer. Spare flat seal included (tighten by hand plus a further 1/4 of a turn with a spanner)  
(2) Complete with fibre sealing washer (tighten by hand plus a further 1/6 of a turn with a spanner)

Male BSP Adaptor	Pack Qty	Code No	Price Each
15mm x 1/2" Male BSP Adaptor	10	SUR4315	£3.83
22mm x 3/4" Male BSP Adaptor	10	SUR4322	£7.28
28mm x 1" Male BSP Adaptor	10	SUR4328	£10.75

Female BSP Adaptor	Pack Qty	Code No	Price Each
15mm x 1/2" Female BSP Adaptor	10	SUR4415	£5.01
22mm x 3/4" Female BSP Adaptor	10	SUR4422	£7.47
28mm x 1" Female BSP Adaptor	10	SUR4428	£13.79

Compression Adaptor	Pack Qty	Code No	Price Each
15mm AVAILABLE SOON	10	SUR5515	TBA
22mm AVAILABLE SOON	10	SUR5522	TBA



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Polypipe Plumbing & Heating Systems Trade Price List: June 2012



Standard Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 3 metre Cut Length	10	PB315	£5.29
15mm x 6 metre Cut Length	10	PB615	£10.66
22mm x 3 metre Cut Length	10	PB322	£10.02
22mm x 6 metre Cut Length	10	PB622	£20.13
28mm x 3 metre Cut Length	10	PB328	£13.79
28mm x 6 metre Cut Length	10	PB628	£27.50

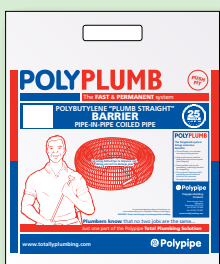
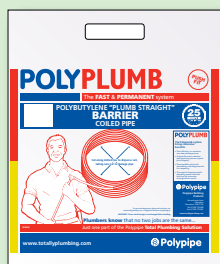
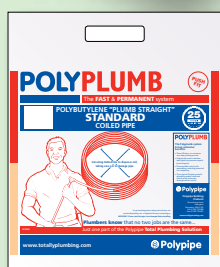
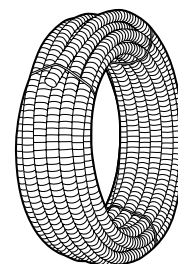
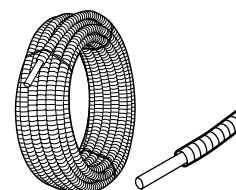
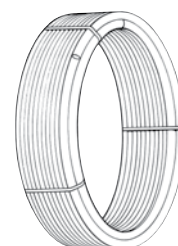
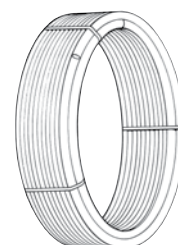
Barrier Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 3 metre Cut Length	10	PB315B	£5.93
15mm x 6 metre Cut Length	10	PB615B	£11.62
22mm x 3 metre Cut Length	10	PB322B	£11.23
22mm x 6 metre Cut Length	10	PB622B	£21.66
28mm x 3 metre Cut Length	10	PB328B	£15.39
28mm x 6 metre Cut Length	10	PB628B	£30.60

Standard Polybutylene Pipe Coils - (featuring "Plumb Straight" coiling technology)	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PB5010	£73.59
10mm x 100 metre Coil	1	PB10010	£149.35
15mm x 25 metre Coil	1	PB2515	£43.78
15mm x 50 metre Coil	1	PB5015	£86.97
15mm x 100 metre Coil	1	PB10015	£173.80
22mm x 25 metre Coil	1	PB2522	£82.83
22mm x 50 metre Coil	1	PB5022	£164.74

Barrier Polybutylene Pipe Coils - (featuring "Plumb Straight" coiling technology)	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PB5010B	£81.77
10mm x 100 metre Coil	1	PB10010B	£157.46
15mm x 25 metre Coil	1	PB2515B	£46.97
15mm x 50 metre Coil	1	PB5015B	£93.90
15mm x 100 metre Coil	1	PB10015B	£186.72
15mm x 150 metre Coil	1	PB15015B	£279.80
22mm x 25 metre Coil	1	PB2522B	£91.63
22mm x 50 metre Coil	1	PB5022B	£177.90
28mm x 25 metre Coil	1	PB2528B	£102.24
28mm x 50 metre Coil	1	PB5028B	£202.23

Barrier Pipe-in-Pipe	Pack Qty	Code No	Price Each
10mm x 50 metre Coil	1	PIP5010B	£149.81
15mm x 25 metre Coil	1	PIP2515B	£81.77
15mm x 50 metre Coil	1	PIP5015B	£163.73
22mm x 25 metre Coil	1	PIP2522B	£140.03

Conduit Pipe Coils (Polypropylene)	Pack Qty	Code No	Price Each
15mm x 25 metre Conduit Pipe Coil (Black)	1	CPC1525	£26.50
15mm x 50 metre Conduit Pipe Coil (Black)	1	CPC1550	£53.31
22mm x 25 metre Conduit Pipe Coil (Black)	1	CPC2225	£33.12
22mm x 50 metre Conduit Pipe Coil (Black)	1	CPC2250	£66.61
15mm x 25 metre Conduit Pipe Coil (Red)	1	CPC1525R	£28.63
15mm x 50 metre Conduit Pipe Coil (Red)	1	CPC1550R	£57.56
22mm x 25 metre Conduit Pipe Coil (Red)	1	CPC2225R	£38.40
22mm x 50 metre Conduit Pipe Coil (Red)	1	CPC2250R	£77.26
15mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC1525BU	£28.63
15mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC1550BU	£57.56
22mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC2225BU	£38.40
22mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC2250BU	£77.26



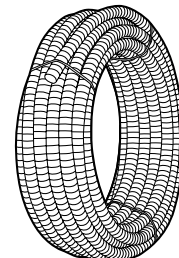
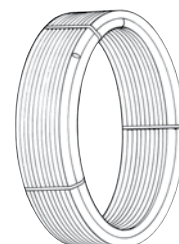


Barrier Polybutylene Pipe Cut Length	Pack Qty	Code No	Price Each
15mm x 2 metre Cut Length	10	FIT215B	£4.15
15mm x 3 metre Cut Length	10	FIT315B	£6.11
15mm x 6 metre Cut Length	10	FIT615B	£11.97
22mm x 2 metre Cut Length	10	FIT222B	£7.96
22mm x 3 metre Cut Length	10	FIT322B	£11.58
22mm x 6 metre Cut Length	10	FIT622B	£22.32
28mm x 3 metre Cut Length	10	FIT328B	£17.12
28mm x 6 metre Cut Length	10	FIT628B	£34.03

Barrier Polybutylene Pipe Coils - (featuring "Plumb Straight" Coiling Technology)	Pack Qty	Code No	Price Each
10mm x 25 metre Coil	1	FIT2510B	£40.56
10mm x 50 metre Coil	1	FIT5010B	£84.28
10mm x 100 metre Coil	1	FIT10010B	£162.27
15mm x 25 metre Coil	1	FIT2515B	£48.39
15mm x 50 metre Coil	1	FIT5015B	£96.78
15mm x 100 metre Coil	1	FIT10015B	£192.42
15mm x 120 metre Coil	1	FIT12015B	£230.88
15mm x 150 metre Coil	1	FIT15015B	£288.35
22mm x 25 metre Coil	1	FIT2522B	£94.40
22mm x 50 metre Coil	1	FIT5022B	£183.32
28mm x 25 metre Coil	1	FIT2528B	£105.36
28mm x 50 metre Coil	1	FIT5028B	£208.41





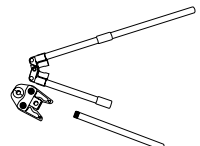

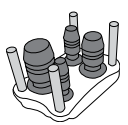
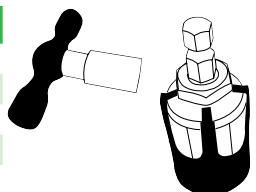

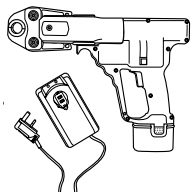

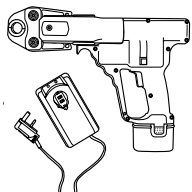

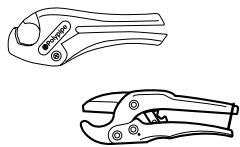
Conduit Pipe Coils (Polypropylene)	Pack Qty	Code No	Price Each
15mm x 25 metre Conduit Pipe Coil (Black)	1	CPC1525	£26.50
15mm x 50 metre Conduit Pipe Coil (Black)	1	CPC1550	£53.31
22mm x 25 metre Conduit Pipe Coil (Black)	1	CPC2225	£33.12
22mm x 50 metre Conduit Pipe Coil (Black)	1	CPC2250	£66.61
15mm x 25 metre Conduit Pipe Coil (Red)	1	CPC1525R	£28.63
15mm x 50 metre Conduit Pipe Coil (Red)	1	CPC1550R	£57.56
22mm x 25 metre Conduit Pipe Coil (Red)	1	CPC2225R	£38.40
22mm x 50 metre Conduit Pipe Coil (Red)	1	CPC2250R	£77.26
15mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC1525BU	£28.63
15mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC1550BU	£57.56
22mm x 25 metre Conduit Pipe Coil (Blue)	1	CPC2225BU	£38.40
22mm x 50 metre Conduit Pipe Coil (Blue)	1	CPC2250BU	£77.26

End Section




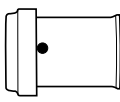




## Tools & Equipment

	<b>Standard Pressing Jaws Polypipe TH Profile</b> - Can be used with Manual Pressing Tool (not 28mm) or Standard Battery Operated Pressing Gun	Pack Qty	Code No	Price Each	
	10mm	1	JAW10TH	£168.29	
	15mm	1	JAW15TH	£168.29	
	22mm	1	JAW22TH	£168.29	
	<b>Mini Pressing Jaws Polypipe TH Profile</b> - Can only be used with Mini Battery Operated Pressing Gun	Pack Qty	Code No	Price Each	
	10mm	1	MJAW10TH	£131.91	
	15mm	1	MJAW15TH	£131.91	
	22mm	1	MJAW22TH	£131.91	
	<b>Manual Pressing Tool</b>	Pack Qty	Code No	Price Each	
	Manual Pressing Tool	1	MANPRES	£160.43	
	Jaws purchased separately				
	<b>Pipe Chamfering Tool</b>	Pack Qty	Code No	Price Each	
	Universal Pipe Chamfering Tool	1	UNIPCT	£59.92	
	<b>Individual Pipe Chamfering Tools</b>	Pack Qty	Code No	Price Each	
	10mm	1	10PCT	£26.01	
	15mm	1	15PCT	£26.01	
	22mm	1	22PCT	£26.48	
	<b>Standard Battery Operated Pressing Gun</b>	Pack Qty	Code No	Price Each	
	Standard Battery Operated Pressing Gun	1	BATPRES	POA	
	(Jaws purchased separately)				
	<b>Mini Battery Operated Pressing Gun</b>	Pack Qty	Code No	Price Each	
	Mini Battery Operated Pressing Gun, with battery level indicator	1	MBATPRES	POA	
	(Jaws purchased separately)				
	<b>Pipe Cutters</b>	Pack Qty	Code No	Price Each	
	V Bladed Standard Type Cutter 10mm - 22mm	1	PB781	£16.71	
	<b>Pipe Cutters Ratchet</b>	Pack Qty	Code No	Price Each	
	Ratchet Type Cutter	1	PB778	£25.35	
	Replacement Blade	1	PB779	£13.44	

## Spares

	<b>'O' Rings</b>	Pack Qty	Code No	Price Per Pack	
	10mm	20	SUR9010	£4.17	
	15mm	20	SUR9015	£3.67	
	22mm	20	SUR9022	£7.11	
	<b>Press Sleeve and Washer</b>	Pack Qty	Code No	Price Each	
	10mm	10	SUR9510	£1.31	
	15mm	10	SUR9515	£1.12	
	22mm	10	SUR9522	£2.26	
	28mm	10	SUR9528	£3.39	

Prices shown are for one item excluding VAT (unless otherwise stated). Note: Orders must be in pack quantity multiples.





# Application Information

The following information is designed to provide basic guidance for installers and specifiers when selecting Polypipe products. The information is not exhaustive and guidance may change dependent on site conditions and applications. This document should be read in conjunction with the Polypipe Plumbing & Heating Product Guide. If in doubt please contact our technical services department on 01709 770000.

## Service Conditions

Polyplumb, Polyfit and Polysure are suitable for the following Class S service conditions in a normal domestic operation (subject to the exceptions referred to in note2 below):

(Continuously operated ring main installations are excluded from these applications)

Application	Nominal system flow temperature Tf °C (see explanatory note 1 below)	Maximum system service temperature Ts °C (see explanatory note 1 below)	System malfunction temperature Tm °C (see explanatory note 1 below)	System maximum working pressure bar
Indirect cold water systems	20	20	—	3½
Direct mains-fed cold water systems	20	20	—	12½
Subsurface heating systems (including Underfloor)	60	83	100	3½
Vented hot water supply systems	65	83	100	3½
Unvented hot water supply systems including instantaneous heaters and/or incorporating storage	65	95	100	6
Vented central heating systems	82	95	100	3½
Sealed central heating systems	82	105	114	3

Note1:

- nominal system flow temperature Tf is the intended maximum flow temperature of a system for a particular application as recommended in codes of practice and other guidance documents
- maximum system service temperature Ts is the maximum service temperature that can occur intermittently during normal operation
- system malfunction temperature Tm is the maximum temperature likely to be applied to pipes and fittings in the event of control thermostat failure or malfunction

Note2:

- Certain fittings in the Polyplumb and Polyfit ranges are not suitable for all the Class S service conditions. The limitations are indicated against every applicable fitting in the Trade Price List eg "Cold Water Only".
- Barrier pipe must be used for Subsurface heating systems (including Underfloor)

## Connections to other materials

### Connection to Imperial Copper using Polyplumb

Imperial ¾" copper pipe is of significantly different size to its metric 22mm counterpart and therefore requires a different 'O' ring to that supplied in the 22mm fitting. The 22mm 'O' ring should be replaced with a ¾" 'O' ring (PB9034). Standard 15mm fittings can be connected to Imperial ½" copper pipe, and 28mm fittings can be connected to 1" copper pipe.

### Connection to Irish copper pipe

Irish copper pipe to IS238:1980 can be connected to Polyplumb fittings which incorporate the ¾" or 1" adaptor set. Using a standard 22mm or 28mm Polyplumb fitting, remove the nut and socket components and discard. Replace these parts with the relevant adaptor set, ¾" - PB7034 or 1" - PB701. The adaptor sets are distinguishable by the black cap nut.

### Connections to chrome plated and stainless steel pipework

Polyplumb and Polyfit fittings should not be connected directly to chrome plated copper pipes or stainless steel pipes. To connect to these pipes we recommend the use of a compression coupler. A pipe stiffener should be used when connecting Polyplumb and Polyfit pipe to a compression fitting.

### Connecting Polysure press fit fittings to copper

Polysure press fit fittings have been designed specifically to fit to Polyplumb and Polyfit polybutylene pipes. To connect to copper pipes we advise the use of a Polysure press fit x BSP male or female adaptor, with the corresponding adaptor being used on the copper side from the Polyplumb or Polyfit range. PTFE tape should be used to seal the mating brass components.

### Connections close to capillary fittings

Capillary fittings should preferably be completed prior to the use of Polypipe fittings. Where this is not possible, care should be taken to ensure that flux or solder does not come into contact with plastic pipes or fittings. A damp cloth should be wrapped around the copper pipe close to the nearest plastic pipe or fitting to ensure against damage by conductive heat. Pipework should be flushed to clear flux before active use.

## Connections to incoming cold water supply

There are two options for connecting incoming MDPE mains water service pipe to Polyplumb and Polyfit pipe systems. Firstly the push fit x compression adaptors provide a one piece transition fitting covering connections from 20mm, 25mm and 32mm MDPE service pipes to 15mm, 22mm and 28mm polybutylene pipes and most sizes are available in both Polyplumb and Polyfit versions. Secondly, as there is a requirement for a stopcock on the incoming main there is also a combined stopcock and adaptor which reduces the number of fittings required in a position where there is often limited space e.g. under a kitchen sink. These products allow connections from 20mm or 25mm MDPE pipe via a compression end to 15mm or 22mm polybutylene using a push fit connection.

## Gas, oil, and compressed air

Polypipe systems are suitable for domestic plumbing and heating systems. Pipes and fittings must not be used for gas and oil supply pipework or compressed air pipework. In all the above instances metal pipework should be installed.

## Continuously operated re-circulating systems (Secondary Hot Water Circulation / Ring main installations)

A continuously operated re-circulating system is a water-replenished circulating system which is maintained at a constant high temperature to provide a constant source of hot water. Continuously operated re-circulating systems are used to distribute constant hot water to wards or rooms that may be distant from the heat source or hot water storage vessel. Locations where continuously operated re-circulating systems are used include, but are not limited to, residential care homes, hospitals and hotels. Continuously operated re-circulating systems are very different from conventional hot water supply and central heating systems found in domestic properties, for which our products have been tested to, under either BS 7291 Class S or WRAS approval standards, and for this reason Polyplumb, Polyfit or Polysure must not be used on any continuously operated re-circulating systems. Some secondary hot water circulation systems are used intermittently, controlled by time and/ or temperature thermostats. This application is also unsuitable for products manufactured to BS 7291.

### Re-cycled rainwater systems

Polypipe products can be used in systems conveying re-cycled or harvested rainwater within domestic properties. All pipe work used in this type of system should be clearly identifiable and this should be carried out in accordance with WRAS Information and Guidance Note No 9-02-05; Marking and Identification of Pipework for Reclaimed (Greywater) Systems. If self adhesive labels are to be used, these should not be applied directly to the pipe.

### Chlorine and other additives

The polybutylene material used in Polyplumb, Polyfit and Polysure pipes and fittings is WRAS approved. It is resistant to the buildup of scale. Normal levels of chlorine in UK domestic water supplies will not have an adverse effect on Polyplumb, Polyfit and Polysure.

However Polyplumb, Polyfit and Polysure are not suitable for systems in which any further additives are ever added, periodically added, or regularly dosed in to or additional to the normal UK mains water supply, for example chlorine for swimming pools or those used for bacteria control or legionella prevention. Systems must not be flushed through with anything other than water from the normal UK mains water supply or a cleaning product at the correct concentration that is specifically recommended for plastic piping systems.

The use of corrosion inhibitor in central heating systems is acceptable provided that the inhibitor is specifically designed for plastic piping systems and guidance on their suitability should be sought from the inhibitor manufacturer prior to adding to the system.

### Electrical Safety / Equipotential Bonding

Where Polypipe pipes break the continuity of existing metal pipe, which may be used for earthing, or bonding this continuity must be re-instated by affixing permanent earth clips and a section of earth cable between the copper ends on either side of the plastic sections. Both the IEE and the Chartered Institute of Plumbing and Heating Engineers now give guidance on the Earth Bonding requirements of Plastic Pipe systems. As plastic pipes do not conduct electricity, installations generally require less equipotential bonding than metal systems although if in doubt exact guidance should be sought.

### Light

Polyplumb & Polyfit pipe and fittings should be protected from UV light. Standard decorating paints form adequate protection. Pipe insulation forms adequate protection for external use. Polypipe products are delivered in light protective packaging.

### Compatibility with other substances

For details of compatibility with building and cleaning substances, and treatments (eg filler foam and wood worm treatments) please consult the relevant manufacturers to confirm suitability with Polybutylene. Polyplumb, Polyfit and Polysure pipes and fittings can be painted using emulsion or undercoat and gloss. Cellulose based paints, strippers or thinners must not be used.

### Vermin

There is no evidence to suggest that Polyplumb, Polyfit or Polysure attract vermin. Where vermin are present they can cause damage to other services, building fabric and pipes and fittings, and therefore a qualified pest controller should be employed to remove vermin from the affected area.

## Connections to other equipment

### Boilers and appliances:

All boilers and appliances must have safety devices such as thermostatic controls, cut-outs and pump over-run protection to make sure that they cannot operate above the Class S working temperature and pressure limits set out in the table of Class S service conditions above. Exposure to conditions in excess of those specified could result in failure of the pipes or fittings with the potential for serious injury.



# Application Information

## Gas Boilers:

Pipe should only be connected to gas boilers where the pipe connection is outside the boiler casing and where the boiler incorporates a high limit thermostat and pump over-run facility. The pipe connections should be 350mm from the heat source. In all other situations, a section of metal pipe should be at least 1m in length. In addition for back boilers metal pipe work should be used within the fire opening extending out of the chimney brickwork.

## Combination Boilers:

Where system connections are made to an incoming water supply pipe from a water meter or any other device which contains a check valve a suitable expansion vessel must be fitted to prevent the expansion of heated water back down the supply pipe. This is especially important where a water meter is fitted retrospectively.

## Solid Fuel Boilers & Cooking Ranges

Pipes and fittings must not be used for primary or gravity circuits from solid fuel boilers, cooking ranges or other uncontrolled heat sources.

## Solar Panels / Systems

Pipes and fittings must not be used for connection of solar panels or any part of solar distribution that operates above the Class S working temperature and pressure limits set out in the table of Class S service conditions above.

## Oil Fired Boilers

### Open Vented Central Heating Systems:

The use of plastic pipe and fittings is acceptable when used in oil fired installations where the boiler is connected to an open vented system, however the first metre of primary pipework from the boiler connections must be installed using metal pipe. The boiler must be suitable for this type of application and all relevant safety features as supplied and fitted to the boiler must be checked for correct operation. The system must also be commissioned in accordance with the boiler manufacturers instructions.

Plastic pipe and fittings can also be used in the hot and cold water and underfloor central heating systems with the exception of continuously operated re-circulating systems (see page 33) where plastic pipe and fittings should not be used.

For further information regarding the suitable applications for our plastic pipe and fittings please refer to the Class S Service Conditions table as shown on page 33 of this publication.

### Sealed Central Heating Systems:

Where a sealed system oil fired boiler is to be used all primary boiler pipework to and from the hot water cylinder (if fitted) and any radiator or towel rail circuits must be installed using metal pipe and fittings.

Plastic pipes can be used on underfloor central heating systems where the plastic pipes are fitted after the UFCH control unit and manifold arrangement which must contain a correctly operating thermostatic mixing valve.

Plastic pipe and fittings can also be used in the hot and cold water system with the exception of continuously operated re-circulating systems (see page 33) where plastic pipe and fittings should not be used.

All relevant safety features as supplied and fitted to the boiler such as the boiler temperature control thermostat, high limit thermostat, pump overrun facility and the pressure and temperature relief valve must be checked for correct operation at both installation stage and at any subsequent boiler service intervals. The system must also be commissioned in accordance with the boiler manufacturers instructions.

For further information regarding the suitable applications for our plastic pipe and fittings please refer to the Class S Service Conditions table as shown on page 33 of this publication.

## Use of aluminium tape

To comply with the NHBC guidelines regarding detection of pipes in wall cavities Polypipe recommends the use of aluminium tape. This tape should be applied directly to the wall sub-structure and pipes should be clipped on top of the tape. The tape must not be applied directly to the pipes.

## “Dot and dab” walling

Dry lined or “dot and dab” walls are commonly used to speed up the build process and Polypipe systems are compatible with these types of constructions. Board adhesive or plaster should not be applied to Polypipe pipe and fittings especially around the area where the pipes pass through the wall to feed radiators and appliances. Pipes and fittings must remain accessible should future maintenance be required.

## Handling and storage of products

The packaging of both pipes and fittings is designed to protect from ultraviolet light and environmental contamination. Pipes and fittings should therefore be retained in their packaging as long as possible, and should be stored in a cool dry area.

When on site, fittings should be stored to prevent dust and debris from entering the fitting and sticking to the pre-lubricated ‘O’ ring. Care should be taken to avoid scratching the pipe surface during the handling, storage and installation processes.

## System testing

Pressure testing of the pipe system is essential however a successful pressure test using the following steps is not a guarantee of complete and correct installation and only ensures that pipes have been inserted into fittings passed both the ‘o’ ring and the grab ring. If pipes have been scored or scratched during the installation process a high pressure test as below may not highlight these issues.

### 1st fix Installations

#### Step 1:

Pipe and fittings only should be tested. The system should be filled completely using water not more than 20°C at a test pressure of 18 bar which should be applied for not less than 15 minutes and no longer than 1 hours. Joint security can be checked visually and by tugging at joints.

### 2nd fix Installations

#### Step 2:

Complete installations including appliances should be tested with water to the maximum pressure allowed by the manufacturers of the appliances and fittings. Please note, due to health and safety reasons pipework installations must not be air tested.

### Pressure testing in sub zero temperatures.

### Special precautions are necessary if the pressure testing is to take place in sub-zero temperatures.

This applies particularly in under floor central heating systems using the screeded floor system where most of the pipe is encased in concrete. Due to the contact between pipe and floor panel on screeded installations, where the screed does not completely surround the pipe, there may be points where strain is created on the pipe in freezing conditions which is not normally present.

Therefore it is advisable to drain the under floor central heating system once testing and screeding has been completed.

Precautions should also be taken where installations contain large quantities of fittings which due to the rigidity of their construction may put undue pressure on the pipe.



For further information log onto [www.totallyplumbing.com](http://www.totallyplumbing.com)

Polypipe Plumbing & Heating Systems Trade Price List: June 2012





# Polypipe Conditions of Sale

- 1.1 GENERAL**  
1.1.1 In these conditions "the Company" means Polypipe Building Products which is a registered trading name of Polypipe Limited. Company registration number 1099323, Registered office: Broomhouse Lane, Edlington, Doncaster D12 1ES, United Kingdom.  
1.1.2 "Customer" means the person with whom the Company contracts for the supply of Product pursuant to these conditions;  
1.1.3 "Order" means any order submitted to the Company by a Customer;  
1.1.4 "Order Confirmation" means any order confirmation submitted to the Customer by the Company;  
1.1.5 "Products" means the goods and/or services to be supplied by the Company as referred to and described in an Order which is accepted by the Company;  
1.1.6 "Quotation" means the quotation submitted by the Company to the Customer prior to submission of an Order which details the prices at which the Customer may make an offer to purchase the Products;  
1.1.7 "Writing" includes telex, cable, facsimile transmission, electronic data transfer and comparable means of communication.  
1.2 A contract shall come into force between the Parties each time an Order is accepted by the Company, whether by issuing an Order Confirmation, by delivery or otherwise, but not before. Subject to clause 1.3, (i) the terms of each contract shall be as set out in these conditions and the terms of any Order accepted by the Company; and (ii) in the event of any conflict between these conditions and any such Order, the terms of the Order shall prevail.  
1.3 Save to the extent contemplated at clause 2.1, the parties agree that any terms and conditions submitted at any time by the Customer which have not been written specifically for the Product purposes of the Product to which a specific customer relates (including, without limitation, any standard terms and conditions of purchase which are printed on any order documentation submitted by the Customer), shall not apply to any contractual dealings between the parties and shall not be deemed to constitute a counteroffer to any such Products in accordance with the terms unless a specific intention is expressed for such terms and conditions to apply in respect of a specific Order notwithstanding clause 1.3, and any failure by the Company to challenge or respond to any such terms and conditions does not imply and shall not constitute acceptance of those terms and conditions.  
1.4 Unless otherwise stated then Quotations shall be valid for a maximum period of 30 days from issue and may be withdrawn at any time by written or oral notice.  
1.5 Any statement or representation (other than in the Company's Quotation or these terms and conditions) by the Company its servants or agents upon which the Customer wishes to rely must be set out in Writing and attached to or endorsed on the Customer's Order and in any such case the Company may confirm, reject or clarify the point and submit a new Quotation. Any statement or representation which is not so confirmed in Writing is followed or acted upon entirely at the Customer's own risk, and shall not form any part of the contract between the parties, nor shall it be held to have influenced the Customer in deciding whether to enter into the contract.  
1.6 The contract is between the Company and the Customer as principals; neither the benefit nor the burden of any assignment of the contract shall be the Company's written consent; the contract may be assigned or subcontracted by the Company.  
1.7 Unless specifically agreed to the contrary all trade terms shall be interpreted in accordance with current INCOTERMS.  
1.8 In subsequent to any contract which is subject to these conditions, a contract of sale is made with the same Customer without reference to any conditions of sale or purchase, such contract however made shall be deemed to be subject to these conditions or (if different conditions of sale of the Company current at the time when such contract of sale is made).  
2.1 **ELECTRONIC TRADING**  
2.1.1 If the Company and Customer agree that electronic trading between them shall be a basis for order processing and invoicing then these terms and conditions shall apply subject to any special terms and conditions terms which are specific to electronic trading and which have been agreed by the parties in writing.  
2.2 Electronic trading shall be the information agreed between the Customer and the Company as being required is properly set out in the agreed format and the order is transmitted by the Customer to the Company by reference to the correct identification code and is received by the Company when collecting its electronic mail from the relevant system.  
3. **DELIVERY**  
3.1 Unless otherwise agreed in Writing by the Company delivery shall be deemed to take place in the case of ex-works sales when the Products are made available by the Company for collection by the Customer or its carrier and in all other cases upon delivery by the Company to the agreed mainland UK delivery point or port or but before the Products are made available for collection by the Customer.  
3.2 The Company shall not be obliged to make delivery unless and until the Company has received all necessary information, drawings, final instructions and approvals from the Customer and the Customer acknowledges that any delays or alterations by the Customer may result in delayed delivery which the Company shall not be responsible.  
3.3 All dates and periods for delivery are estimated and do not constitute fixed times for delivery by the Company. Unless such a right or rights are expressly agreed in Writing by the Company, the Customer shall have the right to demand or to cancel the contract for failure arising from any cause to meet any delivery times given in the contract or subsequently set.  
3.4 Notwithstanding clause 3.3 the Customer shall be obliged to accept delivery on the date or within the period stated in the Quotation or (if none is so stated) no later than one month after the issue of notice in Writing by the Company requesting the Customer to accept delivery. Failure to do so shall be deemed to be an acceptance of delivery in respect of any one or more instalments of Products shall entitle the Company to terminate the Contract (such right is without prejudice to any other rights and remedies available to the Company whether expressly provided for in these Conditions or implied by any rule of law).  
3.5 Where the Customer requests and the Company agrees to postpone delivery or where delivery is otherwise postponed or delayed without default by the Company, the Customer shall pay the Company a reasonable charge for storage and transportation occasioned thereby and the Customer shall pay for the Products in accordance with these conditions as if the same had been delivered in the ordinary course without reference to the postponement or delay. In addition the Customer shall be liable to pay interest pursuant to Clause 7.3.2 of these Conditions from the date on which payment would have fallen due, had the Products been delivered in the ordinary course but for the postponement or delay.  
3.6 Unless otherwise expressly agreed in Writing the Company may effect delivery in one or more instalments. Where delivery is effected by instalments each instalment shall be treated as a separate contract and the Customer shall be liable for the payment of any instalment of Products or any defect therein shall entitle the Customer to terminate the remainder of the contract.  
4. **RISK AND TITLE**  
4.1 The risk of damage to or loss of the Products shall pass to the Customer upon delivery and the Customer is then solely responsible for all loss damage or deterioration to the Products.  
4.2 Title to the Products shall not pass to the Customer until either:  
4.2.1 The Company has received in cash or cleared funds all monies payable (whether or not due to the Company under this and any other contracts whether made before or after the delivery of the Products) and the right to the title to the Products or any part thereof has passed.  
4.2.2 When the Customer has received notice in Writing specifying that title in the Products or any part thereof has passed.  
4.3 Until title has passed to the Customer the Company may require the Customer to deliver up to the Company all products in respect of which the Company has title and if the Customer fails to do so forthwith the Company's officers, employees, representatives or agents shall be entitled to enter upon any premises where such Products are kept for the purposes of recovering the same.  
4.4 Until title to the Products has passed to the Customer pursuant to these conditions it shall possess the Products as fiduciary agent and bailee of the Company and shall store the Products separately from other goods not owned by the Company and shall ensure that they are fully insured on an all risks basis and clearly identifiable as belonging to the Company and the Company shall be entitled to enter upon any premises where such Products are kept for the purpose of satisfying itself that this condition is being complied with by the Customer.  
4.5 In the event that the Customer has any contract with any other company under the ultimate control of the parent company that has ultimate control of the Company under which any monies are outstanding (whether or not due) then the Customer shall not (notwithstanding that title would otherwise pass pursuant to Clause 4.2 above) obtain title to the Products or other goods supplied by the Company under this or any other contracts between them until such other company has received in cash or cleared funds all monies payable.  
5. **CANCELLATION AND AMENDMENT**  
5.1 No contract can be amended or cancelled except with the Company's approval in Writing and should such approval be given the Customer shall indemnify the Company against all costs, losses or expenses resulting from any cancellation or amendment.  
6. **PRICES**  
6.1 Unless otherwise agreed in Writing all prices shall be as stated in the valid Quotation or, if no valid Quotation is in place, the Company's prevailing standard price at the time of receipt of an Order and are for delivery ex-works and are exclusive of VAT and any other applicable taxes, which are payable in addition. Unless otherwise stipulated by the Company in Writing prices are payable in Sterling or if the Sterling currency has ceased to exist when the contract is made, shall be payable in such currency as replaces the Sterling currency.  
6.2 The Company will use its best endeavours to ensure that all prices on display provided to Customers are correct and up to date. However, should a Customer place an order using an incorrect price then the Customer agrees that the Company may substitute the incorrect price set out in the Order for the correct price (whether the price specified on a valid Quotation or the Company's prevailing standard price, as appropriate) and charge accordingly.  
6.3 The Company shall be entitled at any time by giving notice in Writing, before or after final invoicing to make a reasonable adjustment to the price in the event of any alteration in quantity design or specification requested by the Customer.  
6.4 The Company reserves the right at any time prior to delivery by giving notice in Writing to increase the price if there is any increase in the cost of materials, labour, transport, or utilities or if the costs of the Company are increased by any other factor beyond the reasonable control of the Company.

- 6.5 Charges made on the Company's invoice for cases will be credited on their return to the Company's premises carriage paid and in good reusable condition otherwise returnable but not charged on the Company's invoice must be returned to the Company's premises carriage paid and in good reusable condition otherwise an additional charge will be made in respect of their cost.  
6.6 The Customer shall be liable for the Company for any damage costs incurred in the event of vehicles being unduly delayed at the point of delivery.  
7. **TERMS OF PAYMENT**  
7.1 Unless otherwise agreed by the Company in Writing, the Customer shall make payment by the last day of the month following the month of invoice and the Company shall be entitled to issue invoices in the month in which the Products are delivered or would have been delivered, save for postponement or delay otherwise than due to default on the part of the Company. Time for payment of the price is of the essence of the contract.  
7.2 No disputes arising under this contract shall be referred to payment by the Customer of sums due to the Company to be delayed nor shall disputes otherwise with prompt payment in full. The Buyer shall not be entitled to make any deduction from or set off against any sums owing to the Company by reason of any such dispute or at all. In the event of default in payment by the Customer the Company shall be entitled, without prejudice to any other right or remedy:  
7.3.1 to suspend without notice all further deliveries on this or any other contract between the Company and the Customer;  
7.3.2 to charge interest on a daily basis (after as well as before judgement) on any amount outstanding at the rate of 4% above the Base Rate of Lloyds Bank plc from time to time; and/or  
7.3.3 to serve notice on the Customer requiring immediate payment for all goods supplied by the company under this and all other contracts between them whether or not payment is otherwise due or invoiced.  
8. **SPECIFICATIONS**  
8.1 Subject to Clause 8.2 the Products shall in all material respects be of such specification agreed between the Company and the Customer under the contract, or (if not so agreed) shall be generally in all materials respects in accordance with any published specification issued by the Company.  
8.2 The Company reserves the right to make changes in dimensions or other specifications of the Products as are required to conform to applicable standards or laws or are otherwise within reasonable limits having regard to the nature of the Products.  
8.3 Dimensions specified by the Company are to be treated as approximate only unless it is specifically agreed in Writing that exact measurements are required.  
8.4 The Customer acknowledges that it has not specified any tests for the Products and that it is entirely its own responsibility to satisfy itself that the Product is suitable for the use which it intends.  
9. **LOSS SHORTAGES AND DAMAGE APPARENT ON DELIVERY INSPECTIONS**  
9.1 The Customer shall have no claim for loss, shortages or damage on delivery which are or would be apparent on inspection unless the Customer:  
9.1.1 unpacks and inspects the Products as soon as reasonably practicable following receipt; notifies the Company of any loss, shortages or damage in writing, by a qualified signatory (on the delivery note) within ten working days of receipt; and  
9.1.2 demonstrates to the satisfaction of the Company that such loss, shortages or damage occurred prior to delivery.  
9.2 The Customer shall have no rights in respect of loss, shortages or damage unless the Company is given a reasonable opportunity to inspect the Products and investigate any complaint before the use of or alteration to or interference with the Products.  
9.3 In a valid complaint made in accordance with clause 9.1 the Company shall be entitled (in the case of notified shortages) to receive within a reasonable time a delivery of Products equivalent to the shortfall and (in the case of defects) to repairs to the Products or to replacement of the defective Products or materials (other than the price thereof) but the Company shall have no further liability whatsoever. If a complaint of loss, shortages or damage on delivery is not made to the Company in accordance with Clause 9 within 5 working days of the date of delivery, then the Products shall be deemed to be delivered complete and undamaged in accordance with the contract and the Customer shall be bound to pay for the same accordingly.  
9.4 Loss, shortages or damage in a delivery or any instalment delivery shall not be a ground for termination of the contract or the remainder of the contract (as the case may be).  
10. **WARRANTY**  
10.1 The Company warrants that Products which do not comply with either Clause 8.1 or sections 13 to 15 of the Sale of Goods Act 1979 (as amended) are shown to have been defective at delivery of said goods at the time of delivery and shall be replaced (free of charge) by the Company, or they shall be repaired or replaced or that, at the Company's option, a credit or refund for the price thereof shall be given provided always that the Customer has given written notice of the defect within 10 working days of delivery, no alteration to or interference with the Products takes place before the Company is given access to the Products to inspect and test the same;  
10.1.1 the defect does not consist of a loss shortage or damage to which Clause 9 is expressed to apply;  
10.1.2 the defect does not arise by reason of a design specification or instruction given by the Customer;  
10.1.3 the defect is not due to failure in its obligation to make payment of the contract price for the Products;  
10.1.4 the defect shall not be attributable to incorrect storage or use of the Products.  
10.2 The benefit of Clause 10.1 shall only extend to Products or parts not manufactured by the Company to the extent that the Company has equivalent recourse against the manufacturer or supplier thereof.  
10.3 The Customer shall indemnify the Company in respect of loss or damage arising from any use made of Products after the Customer became or ought reasonably to have been aware of a defect.  
10.4 In the event of a valid claim being made in accordance with Clause 10.1:  
10.4.1 the Customer shall be bound to accept repair or replacement Products or at the Company's option credit or repayment and shall not be entitled to terminate the contract; and  
10.4.2 the Company may repair or replace or refund the price of the defective Products as may be reasonable then the Customer's sole remedy shall be an entitlement to full credit or repayment in respect of the defective Products; and the Company shall be under no further liability in respect of any loss or damage arising from the defect or from any delay before repair replacement credit or refund is effected.  
11. **LIABILITY**  
11.1 The Company does not exclude liability arising under Section 12 of the Sale of Goods Act 1979 (good title) (as amended) or for death or personal injury caused by its negligence as defined in the Unfair Contract Terms Act 1977, fraudulent misrepresentation or any other type of liability which cannot be lawfully excluded or limited.  
11.2 The Company does not exclude or limit its liability in respect of its liability to the Customer in connection with or arising from any defect or failure in the Products or otherwise due to the quality, condition, suitability, durability, safety or any other aspect or feature of the Products. The Company's liability, whether in respect of a claim or in the aggregate, shall not be excluded or limited in connection with the contract for the supply of Products to be provided under it. The price of the Products is predicated on the basis of the limitations and exclusions set out in these conditions.  
11.3 The Customer acknowledges that without limitation of the foregoing the price of the Products would be higher and that the limitation of the Company's liability is therefore reasonable in all the circumstances. The Customer agrees that it is its own responsibility to insure adequately for the full value of the Products in excess of the aforesaid limit of the Company's liability. Subject to reaching agreement on terms, the Company and the Customer may determine an increased level of liability which is to be accepted in Writing by the Company to cover, in particular specific types of loss or damage which both parties reasonably foresee and anticipate.  
11.3.1 In clause 11.2 the term "liability" means any form of liability whatsoever including but not limited to the liability in misrepresentation and under contract, common law, equity and any statutory provision whether or not based on negligence or breach of any express or implied duty to act with care or skill.  
11.4 Notwithstanding any other provisions of these conditions the Customer shall have no claim against the Company in respect of any loss other than directly direct losses (meaning for these purposes the increased costs of purchasing products from a third party or the cost of remedial repair work) and specifically consequential, financial economic loss whether direct or indirect including but not limited to any incidental costs of dismantling fitting or other ancillary work required in connection with the provision of a repair or replacement, any loss or production profits contracts loss of use or anticipated savings and any claims made against the Customer by any third party are excluded even if reasonably foreseeable.  
11.5 To the extent that any liability of the Company is expressed to be limited or excluded by these conditions the Customer shall indemnify the Company in respect thereof.  
12. **CONFIDENTIAL INFORMATION ETC.**  
12.1 All drawings, documents, records, computer software and other information supplied by the Company are supplied on the express understanding that all intellectual property rights therein are reserved to the Company and that the Customer will not without written consent of the Company either give away, loan, exhibit, or sell the same or extracts therefrom or copies thereof or use the same in any way except in connection with the Products in respect of which they are issued.  
13. **PATENT INDEMNITIES**  
13.1 If the Customer is subject to a claim or threatened with any action alleging that the Products in the form supplied infringe any patent, copyright, design right or other intellectual property right then provided that the Customer has given notice in writing to the Company and if requested allows the Company to conduct and defend thereon to the Customer's behalf, the Company will indemnify the Customer against any award or damages for infringement made in any such action by a court or other competent body against the Customer. Further, if the Products are infringing the Customer agrees that the company shall have the option at its own expense either to modify the Products so that they do not infringe; to replace the Products with a non infringing substitute; to procure for the Customer the right for the use of the Products to continue its use of the Products; or to repurchase the Products from the Customer at the price paid by the Customer less an allowance for the use made thereof.  
13.2 The Company shall have no liability in respect of claims for infringement or alleged infringement of the patent or other intellectual property rights of third parties arising from the manufacture or supply of the Products to the Customer's instructions or in accordance with designs plans or specifications given by the Customer and the Customer shall indemnify the Company against all losses damages expenses costs or other liability arising from such claims.

14. **CUSTOMER'S DRAWINGS**  
14.1 The Customer shall be solely responsible for ensuring that all drawings information advice and recommendations specified or given to the Company by the Customer or its agents, servants consultants or advisers are accurate correct and suitable Examination or consideration by the Company of such drawings information advice or recommendations shall not result in any liability on the part of the Company.  
15. **COMPANY LITERATURE**  
15.1 The information contained in the advertising, sales, technical, and other literature issued by the Company may be relied upon to be accurate the exact circumstances in which it is expressed otherwise any illustrations performance details examples of installations and methods of assembly and all other information and data in such literature are based on experience and upon trials under test conditions and are provided for general guidance only. No such information or data shall form part of the contract unless it is specifically referred to in the Quotation.  
16. **TERMINATION**  
16.1 Without prejudice to any other rights or remedies of the Company it shall be entitled in any of the following circumstances to terminate (in whole or in part) this and any other contract whenever made between the Company and the Customer and/or to suspend deliveries and/or to receive upon demand payment of all monies payable under any such contracts whether or not otherwise due:  
16.1.1 the Customer made or proposes any voluntary arrangement with its creditors or becomes subject to an administrative order or becomes bankrupt or goes into liquidation;  
16.1.2 an encumbrance takes possession or a receiver is appointed of any of the property or assets of the Customer;  
16.1.3 the Customer becomes unable to satisfy its debts as they fall due or cease, or threatens to cease to carry on business;  
16.1.4 the Company reasonably believes that any of the events mentioned above or any equivalent or similar event under any relevant laws to which the Customer or any connected person is subject has or may occur;  
16.1.5 the Customer or any connected person commits any breach of this or any other contract made between the Customer and the Company.  
17. **FORCE MAJEURE**  
17.1 The Company shall be excused performance of its obligations wholly or if affected by act of God governmental restriction condition or control, any act done or not done pursuant to a trade dispute whether such dispute involves its employees or not, default by suppliers of the Company, shortage of materials or by any other act matter or thing beyond its reasonable control including failure by the other party to carry out anything required for performance of the contract.  
17.2 In the event that the Company does not perform its obligations by reason of any of the causes referred to in Clause 17.1 within six months after the time for performance of the Company's obligations then the Company shall be deemed to have accepted the contract without liability that the Customer shall pay for any Products delivered or completed at the time of termination.  
18. **TOOLS**  
18.1 Any tools (such as jigs, dies, etc) which the Company may construct or acquire specifically in connection with the Products shall, notwithstanding any charges the Company may make for them, be and remain the Company's sole and unencumbered property and in the Company's possession and control and subject to restriction.  
19. **FREE-ISSUE MATERIALS**  
19.1 Free-issue material shall be insured by and remain at the risk of the Customer at all times and the Company shall be indemnified by the Customer for any loss, damage injury or expense whatsoever arising directly or indirectly therefrom and the company shall not be liable for loss of or damage to any such materials during fabrication by the Customer or in addition to the Customer's obligation to insure the same, the Company or of any such subcontractor or in transit to or from the premises of the Company or of any such sub-contractor provided that the Company may at its sole discretion in addition to the Customer's obligation to insure the same, the Company or of any such subcontractor or in transit to or from the premises of the Company.  
19.2 An allowance for material lost as process scrap (where applicable) included in the contract price and no such losses shall be the subject of any claim by the Customer or contribution by the Company.  
19.3 Where materials are supplied by or on behalf of the Company the Customer shall be responsible to ensure that the material is of satisfactory quality and is fit for its purpose and shall indemnify the Company against any loss, damage, injury or expenses whatsoever arising directly or indirectly from any loss or incorrect specification of the said materials.  
20. **CONSUMER PROTECTION ACT 1987**  
20.1 Where the Customer purchases the Products for use or incorporation with any other products, the Customer agrees to pay the full cost of the Products and to be responsible for resale or supply ancillary to any such other products or other products supplied by the Customer then:  
20.1.1 the Customer shall comply with demand procedure for inspection by the Company copies of all written instructions information and warnings to be supplied by the Customer in relation thereto provided nevertheless that such inspection or right to inspect shall not give rise to any responsibility or liability on the part of the Company, and  
20.1.2 the Customer shall indemnify the Company against all losses and damages that the Company may suffer or incur in the event any claim is made against the Company in relation thereto if the Products do not comprise the defective element thereof or were rendered defective by reason of the instructions or omissions of the Customer (including without limitation the supply of defective free-issue materials) or were rendered defective by reason of instructions or warnings given or omitted by the Customer or other reseller.  
20.2 For the purpose of Clause 20.1 the term "defective" shall be interpreted in accordance with the definition contained in Part 1 of the Consumer Protection Act 1987.  
21. **HEALTH & SAFETY**  
21.1 The Customer agrees to pay due regard to any information supplied by the Company relating to the use to which the Products are designed or have been tested or concerning conditions necessary to ensure that they will be safe and without risk to health at all times when they are being set, used, cleaned, serviced or maintained by any person and the Customer undertakes to take such steps as may be specified by such information or otherwise necessary to ensure that as far as is reasonably practicable the Products are used in a way which will not endanger the health of all persons as mentioned above.  
22. **LAW AND JURISDICTION ETC.**  
22.1 The Contract shall be governed and interpreted exclusively according to the Laws of England. The parties hereby agree to submit to the exclusive jurisdiction of the English courts provided that the Company may at its option take proceedings in the courts of the state in which the Customer is domiciled including action to obtain any remedy (including injunctive relief). In the case of any order for the export of Products, the Schedule to the Unfair Contract Terms Act 1977 shall not apply to any circumstances apply to the Contract and neither shall the limits imposed by the Unfair Contract Terms Act 1977 on the extent to which liability can be excluded or limited.  
22.2 In the event of a claim or dispute arising between the parties in respect of rights or remedies shall prejudice or preclude any future or further exercise thereof.  
22.3 If any provision of these conditions shall be held invalid or unenforceable in whole or in part then that provision shall nevertheless remain valid and enforceable in so far as it can be severed from the invalid or unenforceable provisions and the contract shall continue to operate in accordance with the provisions of the contract which are not affected by the invalid or unenforceable provisions.  
22.4 If the Contract provides for the supply of services and no general conditions of the Company relating specifically to the supply of services are made applicable to such services then the conditions of the Company shall mutatis mutandis apply to such services as they would apply to Products and in such event Clause 10.1 will be deemed to include a reference to Sections 3 to 5 of the Supply of Goods and Services Act 1982 (as amended). Where in addition to the supply of goods or services the contract includes the supply of Goods Act 1979 (as amended) as may be appropriate. For the avoidance of doubt the following provisions apply where the Company supplies services to the Customer in accordance with clause 22.4:  
22.4.1 the Company's obligation to provide the services is in any event conditional upon payment of the agreed price for the services. Any default or delay in payment according to the terms agreed between the Company and the Customer shall entitle the Company to its option to decline to perform or decline to continue to perform its obligations hereunder but without thereby incurring any liability to the Customer.  
22.4.2 Save to the extent that by reason of negligence on the part of the Company in the performance of the services which results in death or personal injury (which the Company does not limit or exclude), the Company's liability under the contract shall be limited to the amount of charges paid to the Company in return for the services and in particular the Company accepts responsibility only for direct and unavoidable loss or damage arising from any negligence in the provision of services and in particular all other types of loss whether economic, financial, indirect or consequential and whether reasonably foreseeable or not are excluded to the fullest extent permitted by law.  
22.4.3 The Customer shall lend all such reasonable assistance to the Company in the performance of the services as the Company shall reasonably require.  
22.4.4 The Customer shall indemnify and keep the Company, its employees, agents and contractors indemnified at all times from and against any loss or damage and injury caused to persons or property in the course of the provision of the services where such loss or damage arises by reason of the Company's negligence or negligence of persons under the control of the Customer.  
22.4.5 The Customer acknowledges and agrees that if due to the act or omission of the Customer, the Company is not able, having attended at the Customer's premises to perform the services, the Company shall be entitled to claim reasonable additional costs and expenses from the Customer occasioned by any resulting delay in the provisions of the services.  
22.5 In cases for the sale or supply of Products overseas, the following additional provisions shall apply unless otherwise stipulated in writing by the Company:  
22.5.1 the Customer shall be solely responsible for obtaining all necessary import authorisations and for paying any applicable duties, taxes, imposts and the Company shall be under no obligation to give the Customer the notice specified in Section 32(3) of the Sale of Goods Act 1979 (or any re-enactment thereof);  
22.5.2 the Customer shall be responsible for obtaining all necessary import authorisation, unless otherwise agreed in writing, be subject to payment in advance in the event of fluctuations in the applicable exchange rate prior to the date of invoice;  
22.5.3 payment in respect of Products for export is due on the date specified by the Company in the date when the Contract is made, in the currency stated in the invoice and in accordance with the method of payment stipulated by the Company. All costs incurred by the Company in connection with the designated particular method of payment shall be for the Customer.  
23. **DISTANCE SELLING REGULATIONS**  
23.1 If you are a consumer within the meaning of the Distance Selling Regulations 2000 then you are entitled to cancel your order for any reason without giving any reason or to cancel your order then within seven days of receipt of your products you have the right to mail order and return the Products for a full refund.  
June 2009

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