

BUSH™

WATER & GAS



BUSH™ PUSH-ON PEX PLUMBING SYSTEM

October 2011



ELSON PROUDLY PRESENTS THE “BUSH” PEX RANGE OF PLUMBING AND GAS SYSTEMS. THE PLUMBING SYSTEM INCLUDES THE PULL-ON, CRIMP-ON AND PUSH-ON PEX PLUMBING SYSTEMS AND THE BUSH GAS INCLUDES CRIMP-ON SYSTEM.

This brochure provides specification and installation information on the BUSH Push-On PE-X Plumbing System.

The BUSH Push-On PEX Plumbing System comprises two main components; a flexible cross linked high density polyethylene pipe and solid DR brass Push-On fittings.

Both the pipe and fittings are manufactured by Elson.

All products are manufactured to strict quality controls accredited to ISO 9001 International Manufacturing Standards, are fully compliant to all relevant Australian Standards with a 25 year warranty.

The BUSH Push-On PEX Plumbing System is suitable for use in hot and cold water services in both domestic and commercial applications. BUSH PEX is also available for use in rainwater harvesting (green), water recycling (lilac) and hot water (red).

The BUSH Push-On PEX Plumbing System is a cost effective alternative to other plumbing systems. BUSH Push-On is fast and easy to install – usually with fewer fittings. The flexible pipe is light weight and corrosion, scale and chlorine resistant. A combination of smooth flow rates and pipe flexibility reduces the potential for water hammer.

The BUSH Push-On PEX jointing system is fast and efficient requiring minimum tooling. After following the required inspection and preparation instructions the pipe is simply pushed into the fitting with a twisting action until “safe seal” has been reached. There is no need for flaring the pipe ends or use of any compression or crimp tooling to complete the joint. Pipe and fittings can be rotated to the desired position after the joint has been completed.

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Technical Information

The BUSH Push-On product range is a complete PEX Plumbing System comprising PE-X pipe and a full range of DR brass fittings. There is no tool needed to make joints.

1. PIPING

PE-X piping is manufactured from high density crossed linked polyethylene material. To conform to Australian Standard AS/NZS 2492, the base material used in the manufacture of PE-X pipe, can be cross-linked by using one of three methods; by the peroxide (PE-Xa, Silane (PE-Xb) or electron beam (PE-Xc) cross linking process.

The great advantage of BUSH PE-X pipe is that it can be used with BUSH Pull-On, BUSH Crimp-On and BUSH Push-On fittings to complete three systems **all using the same pipe** but utilising three different jointing methods.

The piping is available in three colours. The colours help to identify the pipe application. It is recommended that unprotected pipe not be exposed to direct sunlight on a permanent basis.

- Black** – Suitable for potable hot & cold water plumbing in domestic and commercial applications.
- Purple** – Suitable for recycled, non potable water.
- Green** – Suitable for rainwater.
- Red** – Suitable for potable hot water.

Packaging

Pipe size	Black
16mm	5m lengths, 25, 50 & 100m coils
20mm	5m lengths, 25, 50 & 100m coils
25mm	5m lengths, 25 & 50m coils

Pipe size	Red
16mm	5m lengths, 50m coils
20mm	5m lengths, 50m coils
25mm	5m lengths, 25m coils

Pipe size	Purple	Green
16mm	5m lengths 50m coils	5m lengths 50m coils
20mm	5m lengths 50m coils	5m lengths 50m coils
25mm	5m lengths 50m coils	

Pipe size	Black in Conduit
16mm	50m coils
20mm	50m coils

Conduit Black for BUSH PE-X Pipe	
25mm	50m coils (Conduit only)

Pipe sizes and tolerances

Nom. O.D	Mean outside diameter (mm)		Wall thickness (mm)	
	Min	Max	Min	Max
SDR 7.4				
DN 16 - 16mm	16.0	16.3	2.2	2.6
DN 20 - 20mm	20.0	20.3	2.8	3.2
DN 25 - 25mm	25.0	25.3	3.5	4.0

Pressure ratings

Pipes for water applications are classified in terms of the nominal pressure rating (PN) at water service temperature of 20°C. BUSH PE-X Pipe has a pressure rating of PN20 and a nominal working pressure of 2,000kpa at 20°C. The following table shows the relationship of the pipe working pressure and pipe material temperature (PMT).

Working pressure, KPa

PMT	20°C	60°C	70°C
PN20	2000	1500	1330

Temperature ratings

PE-X pipe is suitable for use at temperatures up to 100°C however; continuous long term operation should be between -50°C and +70°C under working pressure as detailed above.

2. INSTALLATION CONSIDERATIONS

Proximity to flame/external heat sources

The BUSH PEX Plumbing System should not be installed in positions where it is likely to be exposed to a naked flame. If it is, there is a danger the pipe could ignite and continue to burn even after the source of the flame is extinguished. In accordance with AS/NZS 3500 all plastic pipes for water supply must be protected from excessive ambient heat.

Thermal expansion

The BUSH PE-X pipe has an expansion rate of approx. 0.3mm per meter for every 10°C change in temperature. Care should be taken not to pull the pipe tightly between fixed points during installation as this may later contract and apply excessive tensile force to any joints. This could cause a possible joint failure.

Temperature & Pressure performance

As with all plastic pipe systems the ability of the

pipe to withstand pressure decreases as the pipe temperature increases.

Protection from physical damage

Due care should be taken to protect pipe and fittings from any physical damage both prior to, during and after installation. Possible causes of physical damage may include (but are not limited to) sharp edges/implements, machinery, rodents, excessive heat, long term UV exposure, radiation and/or mechanical forces.

Pipe Bending

BUSH PE-X Pipe is very flexible and as such can save the need to use additional fittings. Due care should be taken during bending to ensure that pipe is not kinked or damaged. If you do encounter a kinked section of pipe it should be cut out and replaced as a precaution.

BUSH PE-X pipe may be subjected to a minimum bending radius of approx. 10 times the OD of the pipe.

Clipping

Clipping requirements are outlined in the relevant Australian standards. The recommended clip spacings for BUSH PE-X Pipe are:

	Horizontal	Vertical
Size	Pipe Work	Pipe Work
16mm	0.6m	1.2m
20mm	0.7m	1.4m
25mm	0.75m	1.5m

Framework penetrations

Where pipe is required to pass through timber or steel studs/frames, holes should be sized to allow for adequate pipe movement due to thermal expansion or contraction. In all cases,

steps should be taken to protect the pipe from any possible physical damage (particularly due to abrasion) where it passes through studs or frames. This can be achieved by installing grommets, sleeves or stud clips as applicable.

UV exposure

BUSH PE-X black, BUSH PE-X green and BUSH PE-X red pipes are not to be installed in direct sunlight. BUSH PE-X lilac should be protected from long term exposure to UV by way of either lagging or enclosing in a conduit.

Note: The above does not completely exclude the need for lagging to protect any of the pipes from temperature extremes.

It is essential that appropriate pressure testing (in accordance with AS/NZS 3500 or relevant local requirements) is carried out prior to burying or concealing the BUSH PEX system.

Can BUSH PE-X pipe be used under the slab?

Yes. The flexibility of BUSH PE-X pipe allows it to be supplied in coils meaning installations under the slab can be made in a single, continuous length without the need for fittings. BUSH PE-X pipe is not affected by concrete, (it is commonly encased in concrete for radiant floor heating). BUSH PE-X pipe, however, must be sleeved when penetrating a slab.

When BUSH PE-X pipe is used under a slab, BUSH Corrugated Sleeve conduit must be used.

Can BUSH PE-X pipe be used for underground cold-water service applications?

Yes. Although the high temperature resistance of BUSH PE-X pipe makes it particularly suitable for hot and cold interior plumbing applications, it also makes an excellent underground water service piping.

Can I braze adaptors after the BUSH PE-X pipe has been fitted?

No, all brazing or soldering must be performed on the fittings prior to the BUSH PE-X pipe being connected. Sufficient time should be allowed for the fitting to cool prior to attaching the BUSH PE-X pipe.

Is the BUSH PEX system approved?

Yes, the BUSH PEX system is approved under the following AS/NZS standards. Fittings–AS/NZS 2537 and Pipe–AS/NZS 2492

Can I use BUSH PE-X pipe to connect solar panels to the storage tank?

No, the Australian Standards do not allow PE-X pipe to be used on the flow or return lines between solar panels and solar storage vessels.

Pressure test

At completion, carry out pressure testing as required per AS/NZS 3500 and or any requirements specified by local authorities.

3. FITTINGS

BUSH Push-On PEX fittings are especially designed and engineered to complement the BUSH PE-X Pipe and comply to AS 2537. All fittings are made from solid DR brass (i.e Dezincification Resistant quality in accordance with AS 2345) and require no heat, flame or solvents when jointing to PE-X pipe.

Available sizes

Nom. O.D
DN 16 - 16mm
DN 20 - 20mm
DN 25 - 25mm

Refer to a full product listing later in this brochure.

4. NO TOOLS REQUIRED

One of the advantages of the Bush Push-On plumbing system is that there is no need for expensive and hard to use tools. The joints are simply done by pushing the pipe into the fitting. If you need to disassemble joint, use disassembly Clip or Tong. Also available a Depth Gauge / Deburring Tool for PEX pipe as well as for copper tube.

5. WARRANTY

BUSH Push-On PEX Plumbing System carries a 25 year warranty when the system is **installed by a licenced plumber** in accordance with AS 3500 of the National Plumbing code parts 1, 4 and 5 and established installation practices.

6. COMPLIANCE WITH AUSTRALIAN STANDARDS


BUSH Push-On PEX Plumbing System is licenced by SAI Global to Australian Standards and complies with Australia and New Zealand Standards AS/NZS 2492 for pipe (Lic. No. 21274) and AS 2537 for fittings (Lic. No 21276).





Jointing Procedure


BUSH PEX Pipe

The plastic retaining nuts and pipe release collars for BUSH PEX pipe adaptation are black. Only use black coloured end of fitting for jointing BUSH PEX pipe.

1  Inspect the pipe clearly where the joint is to be placed to ensure there are no scores, cuts or scratches on the surface of the pipe.

2  Cut the pipe to be joined using BUSH PEX Pipe Cutters. Where the pipe is printed with depth engagement marking, cut at the tip of the mark. Make sure that the pipe is cut cleanly and squarely.

3  Use the PEX Pipe Deburring Tool/ Depth Gauge to debur the end of the pipe. Make sure there are no rough edges and the surface of the PEX pipe is smooth.

 If the BUSH PEX Pipe has no depth engagement markings or if the depth engagement markings do not suit the joint installation position, use the PEX Depth Gauge / Deburring Tool to mark the pipe for a safe seal line. This safe seal line is the line to indicate the correct depth of penetration of the pipe into the fitting.


When there is no BUSH PEX Depth Gauge/Deburring Tool available and the pipe has no depth engagement marking, measure 26mm for 16mm pipe and 29mm both 20mm and 25mm pipe, and mark the pipe to get a safe seal line.

When the pipe is cut at the tip of the engagement markings there is no need to measure for the engagement depth.

TO MARK THE SAFE SEAL LINE (Engagement Depth)	Measure
16mm BUSH PEX Pipe	26mm
20mm BUSH PEX Pipe	29mm
25mm BUSH PEX Pipe	29mm

Important: Ensure external Pipe surface within the Safe Seal Line is clear of any damage, scores, cuts or scratches.

5  Inspect the inside of the fitting to make sure they are free of dirt and grit.

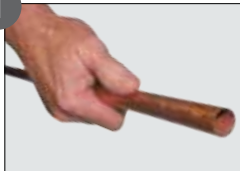
6  Push the pipe firmly with a twisting action until you hear a firm engagement sound. Ensure the pipe has penetrated into the fitting to the full engagement depth of the joint and the safe seal line marked on the pipe corresponds with the mouth of the fitting. Do not use excessive force when pushing pipe into fitting.


7 Pressure test the installation in accordance with AS 3500 parts 1, 4 & 5.


Important: If you need to disconnect the pipe and fittings use the disassembly Clip or Tong. For a new joint, make sure the pipe is recut and then repeat the jointing process from step 1. Whilst the fittings can be reused it is not recommended for safety reasons to open the fittings which have been factory sealed and tested.


Jointing Procedure Copper Pipe

The plastic retaining nuts and pipe release collars for copper Pipe adaptation are Copper coloured. Only use Copper coloured end of fitting for Jointing Copper.

1  Inspect the pipe clearly where the joint is to be placed to ensure there are no scores, cuts, burrs or scratches on the surface of the pipe. Clean with steel wool (recommended).

2  Cut the pipe to be joined. Make sure the pipe is cut cleanly and squarely.

3  Use the copper pipe Deburring Tool/Depth Gauge to deburr the end of the copper pipe. Make sure there are no rough edges and the surface of the Copper Pipe is smooth.

4  For correct engagement depth use the Copper Pipe Depth Gauge/Deburring Tool to mark the copper pipe for a safe seal line. This safe seal line is the line to indicate correct depth of the penetration of the Copper Pipe into the fitting.

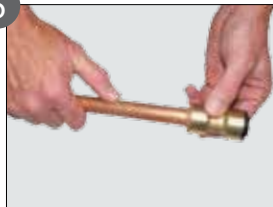
When there is no Copper Pipe Deburring Tool/Depth Gauge available, measure 26mm from 15mm Copper Pipe and 29mm for 20mm Copper Pipe and mark the pipe to get a safe seal line.

TO MARK THE SAFE SEAL LINE Measure (Engagement Depth)

TO MARK THE SAFE SEAL LINE Measure (Engagement Depth)	Measure
DN 15mm Copper Pipe	26mm
DN 20mm Copper Pipe	29mm

Important: Ensure external Pipe surface within the Safe Seal Line is clear of any damage, scores, cuts or scratches.

5  Inspect the inside of the fitting to make sure they are free of dirt and grit.

6  Push the pipe firmly with a twisting action until you hear a firm engagement sound. Ensure the pipe has penetrated into the fitting to the full engagement depth and the safe seal line marked on the pipe corresponds with the mouth of the fitting. Do not use excessive force when pushing pipe into fitting.

7 Pressure test the installation in accordance with AS 3500 parts 1, 4 & 5.

Important: If you need to disconnect the pipe and fittings use the disassembly Clip or Tong. For a new joint, make sure the pipe is recut and then repeat the jointing process from step 1. Whilst the fittings can be reused it is not recommended for safety reasons to open the fittings which have been factory sealed and tested.

Product Listing

NO.1 STRAIGHT COUPLING



Code	Description
24000	No.1 Straight Coupling 16mm
24002	No.1 Straight Coupling 20mm
24004	No.1 Straight Coupling 25mm

NO.1 STRAIGHT COUPLING COPPER CONVERSION



Code	Description
24010	No.1 Straight Coupling Copper Conversion 16mm x DN 15 CU
24012	No.1 Straight Coupling Copper Conversion 20mm x DN 20 CU

NO.1R REDUCING COUPLING



Code	Description
24020	No.1R Reducing Coupling 20 x 16mm
24024	No.1R Reducing Coupling 25 x 20mm

NO.2 STRAIGHT FEMALE CONNECTOR



Code	Description
24060	No.2 Straight Connector 16mm x 15mm FI
24061	No.2 Straight Connector 16mm x 20mm FI
24064	No.2 Straight Connector 20mm x 20mm FI
24070	No.2 Straight Connector 25mm x 25mm FI

NO.3 STRAIGHT MALE CONNECTOR



Code	Description
24040	No.3 Straight Connector 16mm x 15mm MI
24058	No.3 Straight Connector 16mm x 20mm MI
24042	No.3 Straight Connector 20mm x 15mm MI
24044	No.3 Straight Connector 20mm x 20mm MI
24046	No.3 Straight Connector 25mm x 20mm MI
24050	No.3 Straight Connector 25mm x 25mm MI

NO.12 ELBOW



Code	Description
24080	No.12 Elbow 16mm
24082	No.12 Elbow 20mm
24084	No.12 Elbow 25mm

NO.12R ELBOW



Code	Description
24100	No.12R Reducing Elbow 20 x 16mm

NO.13 MALE ELBOW



Code	Description
24400	No.13 Elbow 16mm x 15mm MI

NO.14 FEMALE ELBOW



Code	Description
24420	No.14 Elbow 16mm x 15mm FI

NO.15 LUGGED FEMALE ELBOW



Code	Description
24120	No.15BP Elbow 16mm x 15mm FI
24122	No.15BP Elbow 20mm x 20mm FI

NO.19 LUGGED MALE ELBOW



Code	Description
24141	No.19BP Elbow 16mm x 15mm MI 75mm Long
24142	No.19BP Elbow 16mm x 15mm MI 90mm Long
24143	No.19BP Elbow 16mm x 15mm MI 100mm Long
24144	No.19BP Elbow 16mm x 15mm MI 200mm Long
24145	No.19BP Elbow 16mm x 15mm MI 185mm Long
24158	No.19BP Elbow 20mm x 20mm MI 200mm Long

NO.26 REDUCED END TEE



Code	Description
24186	No.26 Tee Reduced End 20 x 16 x 20mm

NO.27 REDUCED CENTRE & END TEE



Code	Description
24184	No.27 Tee Reduced Centre+End 20 x 16 x 16mm

NO.61 STOPPER



Code	Description
24260	No.61 Stopper 16mm
24262	No.61 Stopper 20mm
24264	No.61 Stopper 25mm

NO.24 TEE



Code	Description
24160	No.24 Tee 16mm
24162	No.24 Tee 20mm
24164	No.24 Tee 25mm

NO.62 STRAIGHT TAP CONNECTOR



Code	Description
24240	No.62 Straight Tap Connector Cone 16mm x 15mm FI NUT
24242	No.62 Straight Tap Connector Cone 20mm x 20mm FI NUT

NO.24 TEE COPPER CONVERSION



Code	Description
24170	No.24 Tee Copper Conversion 16mm x 16mm x DN15 CU
24172	No.24 Tee Copper Conversion 20mm x 20mm x DN 20 CU
24174	No.24 Tee Copper Conversion Dn15 CU x DN15 CU x 16mm
24176	No.24 Tee Copper Conversion DN20 CU x DN20 CU x 20mm

NO.63 BENT TAP CONNECTOR



Code	Description
24340	No.63 Bent Tap Connector 16mm x 15mm FI NUT
24342	No.63 Bent Tap Connector 20mm x 20mm FI NUT

NO.25 REDUCED CENTRE TEE



Code	Description
24180	No.25 Tee Reduced Centre 20 x 20 x 16mm
24182	No.25 Tee Reduced Centre 25 x 25 x 20mm

ADAPTOR PEX / FLARED COMPRESSION



Code	Description
24220	Adaptor PEX / Flared Compression 16mm x 15mm FL
24222	Adaptor PEX / Flared Compression 20mm x 20mm FL

BATH/LAUNDRY ASSEMBLY



Code	Description
24280	Bath/Laundry Assembly Right Angled 200mm (Floor Entry)
24282	Bath/Laundry Assembly Right Angled 300mm (Floor Entry)
24284	Bath/Laundry Assembly Straight 200mm (Side Entry)
24286	Bath/Laundry Assembly Straight 300mm (Side Entry)

SHOWER ASSEMBLY



Code	Description
24300	Shower Assembly Right Angled 150mm (Floor Entry)
24302	Shower Assembly Right Angled 200mm (Floor Entry)
24304	Shower Assembly Right Angled Barbs Up 150mm (Top Entry)
24306	Shower Assembly Right Angled Barbs Up 200mm (Top Entry)

SHOWER / BATH ASSEMBLY



Code	Description
24350	Shower / Bath Assembly Right Angled 200mm
24352	Shower / Bath Assembly Right Angled 300mm

ADAPTOR PEX TAIL / COPPER



Code	Description
24500	Adaptor PEX Tail/Copper 16mm OD Tail x DN 15 CU
24502	Adaptor PEX Tail/Copper 16mm OD Tail x DN 20 CU
24504	Adaptor PEX Tail/Copper 20mm OD Tail x DN 15 CU
24506	Adaptor PEX Tail/Copper 20mm OD Tail x DN 20 CU

ADAPTOR PEX TAIL / CAPILLARY TAIL



Code	Description
24510	Adaptor PEX Tail/Capillary 16mm OD Tail x 15 Cap Tail
24512	Adaptor PEX Tail/Capillary 20mm OD Tail x 20 Cap Tail

ADAPTOR PEX TAIL / FLARED COMPRESSION



Code	Description
24520	Adaptor PEX Tail / Flared Compression 16mm OD Tail x 15mm FL
24522	Adaptor PEX Tail / Flared Compression 20mm OD Tail x 15mm FL
24524	Adaptor PEX Tail / Flared Compression 20mm OD Tail x 20mm FL

REDUCER PEX / PEX TAIL



Code	Description
24530	Reducer PEX / PEX Tail 16mm x 20mm OD TAIL
24532	Reducer PEX / PEX Tail 16mm x 25mm OD TAIL
24534	Reducer PEX / PEX Tail 20mm x 25mm OD TAIL

ADAPTOR PEX TAIL / MALE



Code	Description
24540	Adaptor PEX Tail / Male 16mm OD TAIL x 15mm MI
24542	Adaptor PEX Tail / Male 20mm OD TAIL x 15mm MI
24544	Adaptor PEX Tail / Male 20mm OD TAIL x 20mm MI
24546	Adaptor PEX Tail / Male 25mm OD TAIL x 20mm MI

ADAPTOR PEX TAIL / FEMALE



Code	Description
24550	Adaptor PEX Tail / Female 16mm OD TAIL x 15mm FI
24552	Adaptor PEX Tail / Female 20mm OD TAIL x 15mm FI
24554	Adaptor PEX Tail / Female 20mm OD TAIL x 20mm FI
24556	Adaptor PEX Tail / Female 25mm OD TAIL x 20mm FI

PLUG PEX TAIL



Code	Description
24560	Plug PEX Tail 16mm OD TAIL
24562	Plug PEX Tail 20mm OD TAIL
24564	Plug PEX Tail 25mm OD TAIL

DISASSEMBLY CLIP



Code	Description
24950	Disassembly Clip DN 15 CU
24952	Disassembly Clip 16mm PEX
24954	Disassembly Clip 20mm PEX & DN 20 CU

DISASSEMBLY TONG



Code	Description
24960	Disassembly Tong 16mm PEX
24961	Disassembly Tong 20mm PEX
24962	Disassembly Tong 25mm PEX
24965	Disassembly Tong DN 15 CU
24966	Disassembly Tong DN 20 CU

DEPTH GAUGE / DEBURRING TOOL FOR PEX PIPE



Code	Description
24975	Depth Gauge / Deburring Tool for PEX pipe 16mm, 20mm, 25mm PEX

DEPTH GAUGE / DEBURRING TOOL FOR COPPER PIPE



Code	Description
24970	Depth Gauge / Deburring Tool for Copper pipe DN15, 20, 25mm CU

Important: Below listed Bush Pex Pipes and Accessories can be used with all three Bush Pex Plumbing Systems – Pull-On, Crimp-On and Push-On.

HOT & COLD WATER PIPE (BLACK) STRAIGHT LENGTH



Code	Description
23700	Hot & Cold Water Pipe (Black) 5m Length 16mm
23702	Hot & Cold Water Pipe (Black) 5m Length 20mm
23704	Hot & Cold Water Pipe (Black) 5m Length 25mm

HOT & COLD WATER PIPE (BLACK) COIL



Code	Description
23707	Hot & Cold Water Pipe (Black) 25m Coil 16mm
23708	Hot & Cold Water Pipe (Black) 25m Coil 20mm
23709	Hot & Cold Water Pipe (Black) 25m Coil 25mm
23717	Hot & Cold Water Pipe (Black) 50m Coil 16mm
23718	Hot & Cold Water Pipe (Black) 50m Coil 20mm
23714	Hot & Cold Water Pipe (Black) 50m Coil 25mm
23710	Hot & Cold Water Pipe (Black) 100m Coil 16mm
23712	Hot & Cold Water Pipe (Black) 100m Coil 20mm

HOT WATER PIPE (RED) STRAIGHT LENGTH



Code	Description
23750	Hot Water Pipe (Red) 5m Length 16mm
23752	Hot Water Pipe (Red) 5m Length 20mm
23754	Hot Water Pipe (Red) 5m Length 25mm

HOT WATER PIPE (RED) COIL



Code	Description
23756	Hot Water Pipe (Red) 50m Coil 16mm
23758	Hot Water Pipe (Red) 50m Coil 20mm
23759	Hot Water Pipe (Red) 25m Coil 25mm

HOT & COLD WATER PIPE (BLACK) IN CONDUIT COIL



Code	Description
23720	Hot & Cold Water Pipe (Black) in Conduit 50m Coil 16mm
23722	Hot & Cold Water Pipe (Black) in Conduit 50m Coil 20mm

CONDUIT BLACK FOR BUSH PE-X PIPE



Code	Description
23726	50m Coil for 25mm PE-X Pipe (Conduit only)

RECYCLED WATER PIPE (PURPLE) STRAIGHT LENGTH



Code	Description
23737	Recycled Water Pipe (Purple) 5m Length 16mm
23738	Recycled Water Pipe (Purple) 5m Length 20mm
23739	Recycled Water Pipe (Purple) 5m Length 25mm

RECYCLED WATER PIPE (PURPLE) COIL



Code	Description
23730	Recycled Water Pipe (Purple) 50m Coil 16mm
23732	Recycled Water Pipe (Purple) 50m Coil 20mm
23734	Recycled Water Pipe (Purple) 50m Coil 25mm

RAIN WATER PIPE (GREEN) STRAIGHT LENGTH



Code	Description
23747	Rain Water Pipe (Green) 5m Length 16mm
23748	Rain Water Pipe (Green) 5m Length 20mm

RAIN WATER PIPE (GREEN) COIL



Code	Description
23740	Rain Water Pipe (Green) 50m Coil 16mm
23742	Rain Water Pipe (Green) 50m Coil 20mm

PE-X PIPE CUTTER



Code	Description
29930	PE-X Pipe Cutter for 16-25mm Pipe

CLIP MASONRY NAIL



Code	Description
23810	Open Clip 16mm Masonry Nail
23812	Open Clip 20mm Masonry Nail
23814	Open Clip 25mm Masonry Nail

CLIP TIMBER NAIL



Code	Description
23816	Open Clip 16mm Timber Nail
23817	Open Clip 20mm Timber Nail
23818	Open Clip 25mm Timber Nail

CLIP METAL SCREW



Code	Description
23820	Open Clip 16mm Metal Screw
23822	Open Clip 20mm Metal Screw
23824	Open Clip 25mm Metal Screw

PROFILE BEND BRACKET



Code	Description
23830	Profile Bend Bracket 90 Deg x 5D 16mm
23832	Profile Bend Bracket 90 Deg x 5D 20mm
23834	Profile Bend Bracket 90 Deg x 5D 25mm

PROFILE BEND BRACKET W/ SPRING



Code	Description
23831	Profile Bend Bracket w/ Spring 90 Deg 16mm
23833	Profile Bend Bracket w/ Spring 90 Deg 20mm
23835	Profile Bend Bracket w/ Spring 90 Deg 25mm

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