



PLASTIC PIPES & FITTINGS FROM WESTCO

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Exclusive to Westco

PIPELOC


JUST
ADD
WATER





THE SIMPLEST IDEAS ARE OFTEN THE BEST

Pipeloc from Westco combines high quality plastic pipe with innovative push-fit fittings. Lighter and more durable than copper, there's no need for specialist tools. And with a visual band system to indicate a secure fit, installation really is a doddle. So jobs take less time, helping you make more money. It's as simple as that.

INTRODUCTION

Pipeloc from Westco brings together high quality pipe systems with industry leading, fully demountable push-fit and twist-locking plumbing fittings. Pipeloc products are durable and easy to install, and suitable for a whole host of applications both above and below ground. Pipeloc products are used extensively in general plumbing.

STANDARDS AND GUARANTEES

Materials included in Pipeloc & Pipeloc fittings are WRAS Approved.



Pipeloc pipe products are guaranteed against material or manufacture defect for 25 years and Pipeloc fittings are backed by a 25-year warranty (provided products are installed in accordance with the manufacturer's recommendations).

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WESTCO



IT PAYS TO WORK WITH WESTCO

With a heritage spanning four decades, Westco is relied on by merchants, plumbers and heating installers nationwide to provide them with the products they need to service every job.

Responsible for bringing some of the UK's most iconic heating and plumbing parts to market, we're recognised for our commitment to innovation and endeavour to source and supply the newest and highest performing products from across the world for our UK customer base.

Our 57,000sq ft warehouse houses over 5,500 product lines; many of which are UK manufactured, and all are available for immediate dispatch, nationwide. With our own packaging plant on site, we can provide an end-to-end distribution service for our merchant customers.

A COMMITMENT TO QUALITY

Quality lies at the heart of everything we do – from our dedication to service excellence to our investment in developing the broadest range of accredited products, including BS, A rated and WRAS Approved.

With time and financial savings core to our customer-centric approach, we work with manufacturers to introduce labour-saving items that perform to the highest standards. Supported by a technical team who can specify end-to-end solutions for larger projects, customers can rely on Westco for pragmatic, experienced advice.

We know the UK's merchants and plumbers work incredibly hard to satisfy their customers. So we do the same to remain at the cutting edge of our industry and bring them a product range that is the very best it can be.

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PIPES

Westco provides industry leading, high quality PEX and Polybutylene plumbing systems.

The plumbing pipe used in Pipeloc was the first PEX pipe in the world to be awarded the BS7291 Class S Kitemark, in 1989. Since then, over 20,000 miles of pipe has been installed in the UK.

Manufactured from materials that are WRAS Approved, Pipeloc pipe is durable and easy to install and can be used above and below ground for a range of applications, including water systems. Westco guarantees its pipe products against material or manufacture defects for 25 years, as long as they are installed in accordance with the manufacturer's recommendations.

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PIPE SYSTEMS PLUMBING, UNDER-FLOOR AND GROUND SOURCE

Pipeloc-PEX High Density Polyethylene Barrier Pipe (White)

White Pipeloc-PEX crosslinked high density polyethylene pipe supplied in coils and lengths. Manufactured, tested & certified to BS7291, Class S, and also produced to DIN 16892. The approved working service conditions, relevant to Class S, are 12 Bar at 20°C and 3 Bar at 92°C. The pipe also meets the requirements for Class '5' service conditions as specified in EN 15875, for a service life of 25 years. Materials WRAS Approved. It has an EVOH oxygen barrier within the pipe wall. Maximum service conditions of 92°C at 3 Bar. Short term overload of up to 114°C. Nominal wall thickness is; 10mm - 1.5mm/1.8mm, 12mm - 1.5mm/1.8mm, 15mm - 1.5mm/1.8mm, 22mm - 2.0mm/2.3mm, 28mm - 2.6mm/2.9mm. This pipe is guaranteed against any manufacturing defects, for a period of 25 years, provided recommended installation guidelines are followed.

Part No	Description	Pack Qty	Price
77930	10mm x 50m PEX	1	£70.46
77932	15mm x 25m PEX	1	£40.71
77933	15mm x 50m PEX	1	£81.40
77934	15mm x 100m PEX	1	£162.80
77935	22mm x 25m PEX	1	£79.85
77936	22mm x 50m PEX	1	£159.67
77939	15mm x 3m PEX Pipe	20	£97.67
77941	22mm x 3m PEX Pipe	20	£191.60



PEX Pipe Inserts (Grey)

Pipeloc-PEX pipe inserts are placed in the cut ends of the PEX pipe to reinforce the pipe end and ensure that the pipe does not collapse under the pressure. Use of these inserts is essential, as leakage may occur where inserts are not used. PEX pipe inserts contain WRAS Approved materials, suitable for compression and push-fit fittings, and are grey in colour.

Part No	Description	Pack Qty	Price
77945	10mm Plastic Insert PEX	100	£31.50
77946	15mm Plastic Insert PEX	100	£31.50
77947	22mm Plastic Insert PEX	100	£37.80

PIPE SYSTEMS PLUMBING, UNDER-FLOOR AND GROUND SOURCE

Pipeloc-PB Polybutylene Barrier Pipe

Pipeloc-PB Polybutylene pipe supplied in coils. Manufactured, tested & certified to BS7291, Class S. The approved working service conditions, relevant to Class S, are 12 Bar at 20°C and 3 Bar at 92°C. The pipe also meets the requirements for Class 5 service conditions, as specified in EN 15876, for a service life of 25 years. Materials WRAS Approved. It has an EVOH oxygen barrier within the pipe wall. Maximum service conditions of 92°C at 3 Bar. Short term overload of up to 114°C. This pipe is guaranteed against any manufacturing defects, for a period of 25 years, provided recommended installation guidelines are followed.

Part No	Description	Pack Qty	Price
77900	10mm x 50m PB WH	1	£71.32
77902	15mm x 25m PB WH	1	£48.45
77903	15mm x 50m PB WH	1	£96.91
77904	15mm x 100m PB WH	1	£193.83
77905	22mm x 25m PB WH	1	£92.31
77906	22mm x 50m PB WH	1	£184.59
77911	10mm x 50m PB Grey	1	£71.32
77913	15mm x 25m PB Grey	1	£48.45
77914	15mm x 50m PB Grey	1	£96.91
77915	15mm x 100m PB Grey	1	£193.83
77916	22mm x 25m PB Grey	1	£92.31
77917	22mm x 50m PB Grey	1	£184.59



PB Pipe Inserts (Orange)

Pipeloc-PB pipe inserts are placed in the cut ends of the PB pipe to reinforce the pipe and ensure that the pipe does not collapse under the pressure of compression or push-fit end terminations. Use of these inserts is essential, as leakage may occur where inserts are not used. PB pipe inserts contain WRAS Approved materials, suitable for compression and push-fit fittings, and are orange in colour.

Part No	Description	Pack Qty	Price
77922	10mm Plastic Insert PB	100	£31.50
77923	15mm Plastic Insert PB	100	£31.50
77924	22mm Plastic Insert PB	100	£37.80

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PEX/PE-RT BARRIER PIPE

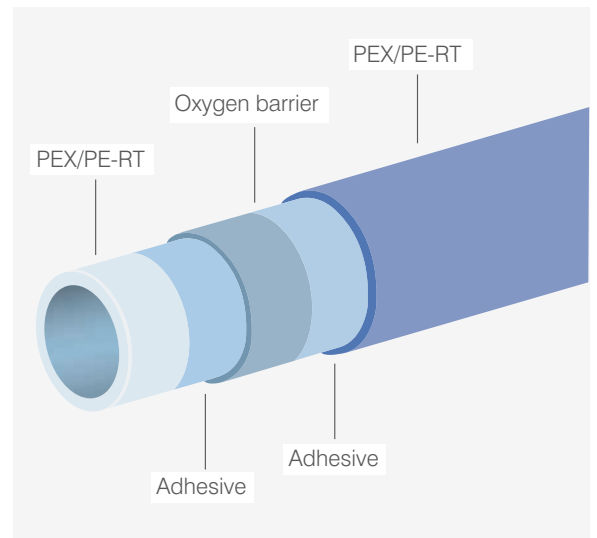
PEX/PE-RT barrier pipe incorporates an EVOH barrier layer within the pipe wall. This prevents permeation of oxygen through the tubing.

The mixing valves, boilers and other components used in heating systems are ferrous (metallic) and are subject to corrosion. To eliminate corrosion due to oxygen permeation, PEX/PE-RT oxygen barrier pipe should always be used for under-floor heating.

The maximum rate of oxygen permeation permitted for tubing used in heating systems is specified in the German DIN Standard 4726. It states the allowable permeation should not exceed 0.1 grams/m³/day at 50°C. PEX/PE-RT barrier pipe surpasses this requirement and so virtually eliminates the permeation of oxygen through the pipe wall.

PEX/PE-RT barrier pipe comprises five layers

- Inner and outer layers of crosslinked polyethylene PEX/PE-RT
- Two thin polymer adhesive layers
- Central EVOH (Ethylene Vinyl Alcohol Polymer) barrier layer



PEX/PE-RT IN DUCTING

PEX/PE-RT pipe should be sleeved in ducting when passing through walls, expansion joints and where it enters and exits floor screeds.

It is recommended that ducting is used to limit thermal emission in areas where the pipe runs are very close together such as near the manifold position, to prevent excessive hot spots in this area. It may also be used where pipes are running under kitchen units or other fixtures where heat emission is not desired.

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FITTINGS

Pipeloc fittings offer a one step, fully demountable and reusable push-fit plumbing system.

Combining both push-fit and twist-locking technology, Pipeloc fittings provide a guaranteed secure and leak-free joint. The tough thermoplastic material used to manufacture Pipeloc fittings rivals traditional fittings materials such as copper, brass and other plastics. It offers excellent heat deflection qualities, as well as resisting mineral build-up and corrosion, even in aggressive water environments.

Pipeloc fittings are certified for use with copper, PEX and CPVC pipes and can be designated with a visual green colour connection, making for a more secure connection.

- Excellent thermal stability
- High toughness and strength
- Good thermal stress cracking resistance
- High heat deflection temperature, 345°F (174°C)
- Combustion resistance
- Suitable for potable water (NSF, KTW, WRAS)



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- 17. Valves and Accessories
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- 20. Installation Guide

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FITTINGS METRIC SIZE

Drop Ear Elbow

1	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
	77824	15mm x 1/2" EAR EL	15mm	1/2" BSP	5	£22.95

Straight Union Connector

2	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
	77801	10mm STR Conn	10mm	10mm	10	£21.50
	77802	15mm STR Conn	15mm	15mm	10	£16.00
	77803	22mm STR Conn	22mm	22mm	5	£12.50
	77804	28mm STR Conn	28mm	28mm	3	£18.99

Bent Tap Connector

3	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
	77830	15mm x 1/2" Swivel Elbow	15mm	1/2" BSP	10	£34.00
	77831	15mm x 3/4" Swivel Elbow	15mm	3/4" BSP	10	£44.00

Bent Brass Tap Connector

4	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
	77837	15mm x 1/2" Swivel Elbow, Brass Nut	15mm	1/2" BSP	10	£43.00
	77838	15mm x 3/4" Swivel Elbow, Brass Nut	15mm	3/4" BSP	10	£48.70

* Brass, De-Zincification Resistant



FITTINGS METRIC SIZE

Straight Union Connector - Hand Tighten

	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
5	77827	15mm x 1/2" STR Union	15mm	1/2"	10	£17.50
	77828	15mm x 3/4" STR Union	15mm	3/4"	10	£38.30
	77829	22mm x 3/4" STR Union	22mm	3/4"	3	£25.58

Straight Brass Tap Connector

	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
6	77833	15mm x 1/2" Swivel Union, Brass Nut	15mm	1/2" BSP	10	£39.20
	77834	15mm x 3/4" Swivel Union, Brass Nut	15mm	3/4" BSP	10	£37.00

* Brass, De-Zincification Resistant

Stop End

	Part No	Description	Tube Size	Bag Qty	Price
7	77839	10mm Stop End	10mm	10	£29.60
	77840	15mm Stop End	15mm	10	£21.50
	77841	22mm Stop End	22mm	5	£13.05
	77842	28mm Stop End	28mm	5	£19.95

90° Elbow

	Part No	Description	Tube Size	Tube Size	Bag Qty	Price
8	77809	10mm Elbow	10mm	10mm	10	£26.40
	77811	15mm Elbow	15mm	15mm	10	£18.90
	77812	22mm Elbow	22mm	22mm	5	£15.10
	77813	28mm Elbow	28mm	28mm	3	£22.17

Union Stem Reducer

	Part No	Description	Tube Size	Stem Size	Bag Qty	Price
9	77850	22mm x 15mm	15mm	22mm	10	£73.00



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FITTINGS METRIC SIZE

Reducing Connector

	Part No	Description	Tube Size	Tube Size	Bag Qty	Price
10	77807	15mm x 10mm Reducing Connector	15mm	10mm	10	£37.40
	77808	22mm x 15mm Reducing Connector	22mm	15mm	5	£22.10

Equal Tee

	Part No	Description	Tube A	Tube B	Tube C	Bag Qty	Price
11	77818	10mm Tee	10mm	10mm	10mm	10	£30.50
	77819	15mm Tee	15mm	15mm	15mm	5	£13.70
	77820	22mm Tee	22mm	22mm	22mm	3	£12.21
	77821	28mm Tee	28mm	28mm	28mm	2	£20.88

Reducing Tee

	Part No	Description	Tube A	Tube B	Tube C	Bag Qty	Price
12	77822	22mm x 22mm x 15mm	22mm	22mm	15mm	3	£13.74
	77823	22mm x 15mm x 15mm	22mm	15mm	15mm	3	£13.74

Stem Elbow

	Part No	Description	Tube Size	Tube Size	Bag Qty	Price
13	77814	10mm Stem Elbow	10mm	10mm	10	£32.90
	77815	15mm Stem Elbow	15mm	15mm	10	£37.80
	77816	22mm Stem Elbow	22mm	22mm	5	£28.55

4-Way Manifold

	Part No	Description	Tube Size	Stem Size	Bag Qty	Price
14	77849	22mm x 10mm 4-Way	22mm	10mm	1	£19.57

Tank Connector – Not Suitable Heating Systems

	Part No	Description	Tube Size	Bag Qty	Price
15	77843	15mm Tank Connector	15mm	5	£13.35
	77844	22mm Tank Connector	22mm	5	£17.10
	77845	28mm Tank Connector	28mm	3	£39.42



VALVES

Hand Valve Union

	Part No	Description	Tube Size	Bag Qty	Price
1	77825	15mm Hand Valve	15mm	1	£7.64
	77826	22mm Hand Valve	22mm	1	£11.62

Double Check Valve

	Part No	Description	Tube Size	Bag Qty	Price
2	77846	15mm Double Check Valve	15mm	1	£11.32

Hand Service Valve

	Part No	Description	Tube Size	Bag Qty	Price
3	77847	15mm Hand Service Valve	15mm	1	£6.16

Hand Valve Connector

	Part No	Description	Tube Size	Bag Qty	Price
4	77848	15mm x 3/4" Hand Valve Connector	15mm	1	£5.61



ACCESSORIES

Long Radius Bend

	Part No	Tube Size	Bag Qty	Price
5	77817	Up to 1/2" CTS 15mm	10	£28.60

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REPAIR COUPLINGS

Pipeloc Repair Couplings are designed to be suitable for Copper, PEX and CPVC pipes, offering the lowest material cost. When you need to repair a pipe line, Pipeloc Repair Couplings offer greater efficiency than traditional fittings. Approved with cUPC, ANSI/NSF-61 and AB 1953.

Repair Coupling

	Part No	Description	Tube Size	Thread Size	Bag Qty	Price
1	77805	15mm x 15mm Repair Coupling	15mm	15mm	2	£8.20



HOW TO REPAIR

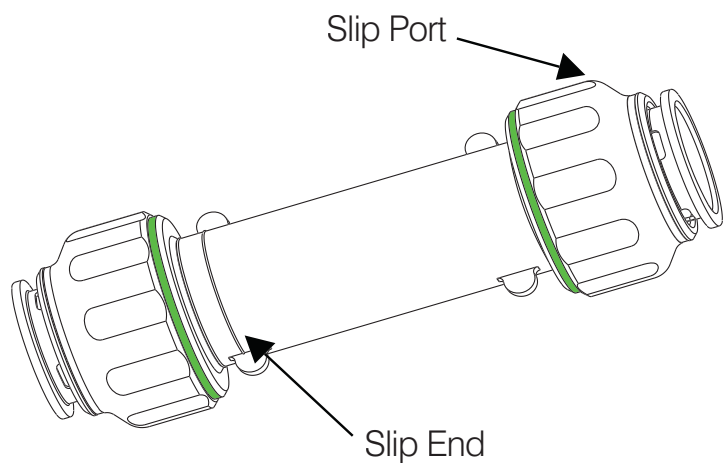
- 1 Ensure that the damaged pipe is kept clean
- 2 Cut the damaged pipe less the instructed length 'C' shown in our specification
- 3 Connect the slip port with the pipe first and slide it until the connection is adjusted with the opposite side
- 4 Connect to the other pipe and arrange the connection position.



REPAIR COUPLINGS

REPAIR COUPLINGS – UNION & TEE SYSTEM ADVANTAGES AND BENEFITS

- **Save time and money**
Push-fit connection
- **All white plastic system**
Easy to repair
- **Strong gripping strength**
Suitable and safe for heating and plumbing systems
- **Permanent anti-leak connection**
Perfect connection with push and twist and lock system
- **Visible connection easy recognition of size and colour**
Easy verification of coupling (lock/unlock) status at a long distance
- **Flexibility enables cabling works on the pipe through hard access area**
Light weight for easy handling at sites
- **No tools required**
Unleaded and UPC Code Approved
- **Patent pending**



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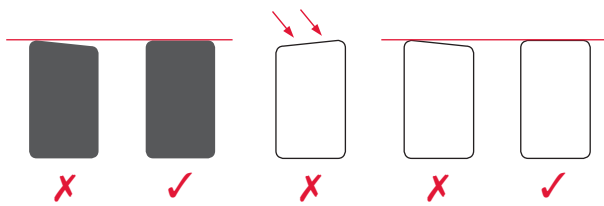
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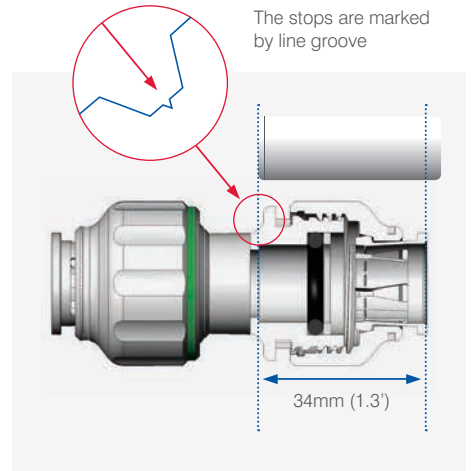
INSTALLATION GUIDE

Cut

Use only purpose designed pipe cutters and cut the pipe squarely. Ensure the pipe or fitting is free from burrs and scratches and is kept free from dirt or debris.

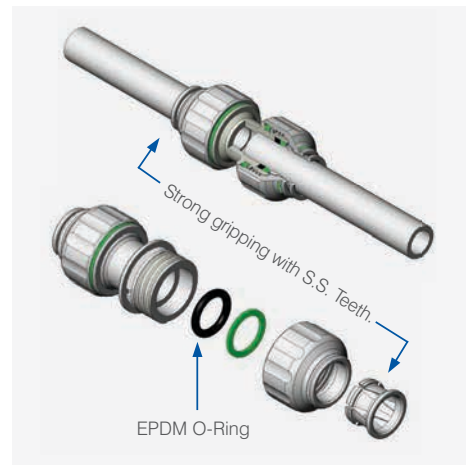
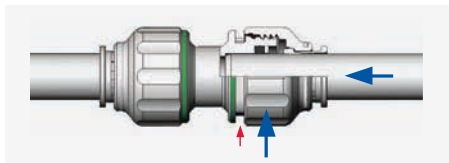


When cutting tubing, ensure that the ends are cut square and are free of burrs.



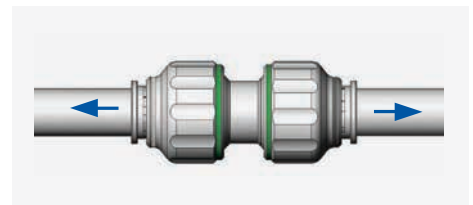
Lock

Ensure the pipe is pushed into the fitting fully past both the collets (gripper) and the 'O' ring, and is engaged properly. Twist the screw cap until the green coloured ring is no longer visible; this confirms a proper, secure fit and locks the pipe into position. It also increases pressure on the 'O' ring seal around the pipe for greater security.



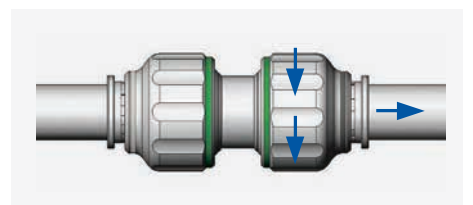
Check

Pull to check it is secure. It is good practice to test the system prior to leaving the site before use. A tube insert should be used to act as an internal support for the end of the pipe. For Pipeloc pipes, use the correct pipe insert – grey for Qual-PEX and orange for Qual-PB.



Separate

Before attempting to disconnect any fitting, make sure that the system is de-pressurised. Unlock the fitting by twisting until the green coloured ring is visible. Press collets squarely against the face of the fitting. With collets depressed, pull on the pipe to remove it from the fitting.

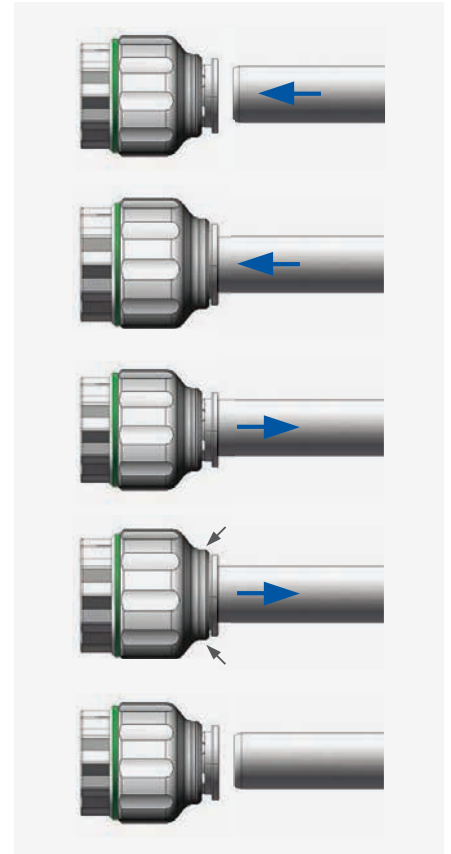


Stop End

If necessary, Pipeloc not only provides a permanent leak-prevention sealing effect, but also enables immediate removal and system extension for re-work. In particular, this is a push-in design for easy use. The stop end is also useful in system pressure testing prior to connection works. Fully push in the pipe and pull to check it is secure. Then release, depress the collet and pull out the pipe.

Caution

- Do not insert fingers into Pipeloc fittings, as the stainless steel teeth may cause injury.
- Pipeloc fittings should not be used for gas, fuel oil or compressed air applications.
- Do not allow contact with any chemical or foreign substance such as paint stripper, solder flux, acid-based descalents or chemicals.
- Pipeloc fittings are not suitable for buried installation.
- All Pipeloc fittings and related products should be selected, installed, used and maintained in accordance with these technical specifications.
- Ensure there are no scratches, gouges or any form of damage on the circumference of the pipe within one inch (25.4mm) of the cut end. Damage in this area may cause leakage.
- Do not use a damaged or scored pipe.
- If the pipe is not fully inserted, the connection cannot be properly seated, even if the fitting is coupled.



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