

# LEAP

## WATERLINK



FLEXIBLE POLYBUTYLENE PLUMBING SYSTEM (PUSH-FIT)



# WATERLINK

## HIGH INTEGRITY, HIGH PERFORMANCE POLYBUTYLENE PIPES AND FITTINGS

WATERLINK Push-Fit from LEAP is a flexible polybutylene plumbing system for hot and cold water reticulation. Flexible polybutylene in conjunction with straight coils enables pipe to be cabled into position, meaning fewer connections and minimised installation and alteration costs. WATERLINK Push-Fit fittings incorporate the high integrity grab ring and robust pre-lubricated 'O' ring, offering the installer smoother pipe insertion and lower jointing forces. The grab ring is replaceable and gives reliable jointing even when the fitting has been dismantled and reassembled with a new grab ring.

### WATERLINK FEATURES

Better cabling ability	Corrosion free
Less connections	Measure and cut in-situ
Low wastage	No scale build-up
High resistance to impact	Reduce chance of pipes bursting due to freezing
Rotatable fittings	Quiet
Reuseable fittings	Cool to touch

#### PIPE CONNECTION SYSTEM



PUSH-FIT FITTINGS FOR CONNECTING  
TO POLYBUTYLENE PIPE

#### POLYBUTYLENE PIPE



GREY - HOT AND COLD WATER

## WATERLINK WARRANTY



WATERLINE/WATERLINK polybutylene pipes and fittings, installed by a licensed plumber in accordance with the current published installation guidelines, are warranted against material or manufacturing defects for a period of 25 years.

WATERLINE/WATERLINK is manufactured under Watermark Licence No. WM74665 and WM74666 (AS/NZ 2642 Part 2 and Part 3) is approved for use in all Australian States and Territories, and New Zealand subject to the installation requirements outlined in the National Plumbing and Drainage Code, AS/NZS 3500 Parts 1 & 4, and any local water authority requirements.

# WATERLINK

## PUSH-FIT FITTING SELECTOR



### Straight Connector

15mm x 15mm	WLP1.15
18mm x 18mm	WLP1.18
22mm x 22mm	WLP1.22
28mm x 28mm	WLP1.28



### Female Wall Elbow

15mm x 1/2"	WLP6.15
18mm x 1/2"	WLP6.18
22mm x 3/4"	WLP6.22



### Equal Elbow

15mm x 15mm	WLP5.15
18mm x 18mm	WLP5.18
22mm x 22mm	WLP5.22
28mm x 28mm	WLP5.28



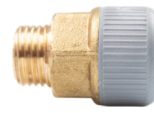
### Female Adaptor

15mm x 1/2"	WLP28.15
18mm x 1/2"	WLP28.18
22mm x 3/4"	WLP28.22
28mm x 1"	WLP28.28



### Equal Tee

15mm x 15mm x 15mm	WLP10.15
18mm x 18mm x 18mm	WLP10.18
22mm x 22mm x 22mm	WLP10.22



### Male Adaptor

15mm x 1/2"	WLP29.15
18mm x 1/2"	WLP29.18
22mm x 3/4"	WLP29.22
28mm x 1"	WLP29.28



### Socket Reducer

18mm x 15mm	WLP2.18.15
22mm x 18mm	WLP2.22.18
28mm x 22mm	WLP2.28.22



### Male Wall Elbow

15mm x 1/2"	WLP99.15
18mm x 1/2"	WLP99.18



### Tee, End Reduced

22mm x 18mm x 22mm	WLP12.22.18
28mm x 22mm x 28mm	WLP12.28.22



### PB - Copper Connector

18mm PB x 15mm Cu	WLP3.18.15
22mm PB x 20mm Cu	WLP3.22.20



### Tee, Centre Reduced

18mm x 18mm x 15mm	WLP13.18.15
22mm x 22mm x 18mm	WLP13.22.18
28mm x 28mm x 18mm	WLP13.28.18
28mm x 28mm x 22mm	WLP13.28.22



### Blanking Cap

15mm	WLP44.15
18mm	WLP44.18
22mm	WLP44.22
28mm	WLP44.28



### Tee, Centre & End Reduced

22mm x 18mm x 18mm	WLP14.22.18
28mm x 22mm x 22mm	WLP14.28.22



### Grab Ring

15mm	WLP46.15
18mm	WLP46.18
22mm	WLP46.22
28mm	WLP46.28

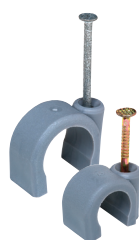
# WATERLINK

## PUSH-FIT FITTING SELECTOR - CONT'D



### Support Sleeve

15mm	WLP60.15
18mm	WLP60.18
22mm	WLP60.22
28mm	WLP60.28



### Pipe Clip

15mm	WLP65.15
18mm	WLP65.18
22mm	WLP65.22
28mm	WLP65.28

(other clip configurations are available)

## TOOL SELECTOR



### Pipe Cutter

Pipe Cutter	PCT16.32
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**AS15 SERIES FITTINGS AND PIPE WILL BE AVAILABLE IN EARLY 2024.**

## PIPE SELECTOR



### PB Pipe, Standard Coil

15mm - 50m Coil	WLPC50.15-H
18mm - 50m Coil	WLPC50.18-H
22mm - 50m Coil	WLPC50.22-H



### PB Pipe, Straight Length

15mm - 5m Length	WLPL05.15-H
18mm - 5m Length	WLPL05.18-H
22mm - 5m Length	WLPL05.22-H
28mm - 5m Length	WLPL05.28-H



### PB Pipe, Straight Coil

18mm - 25m Coil	WLSC25.18-H
22mm - 25m Coil	WLSC25.22-H



### Lilac Pipe, Straight Coil

18mm - 25m Coil	HEPLLSC25.18
22mm - 25m Coil	HEPLLSC25.22

### HEP<sub>2</sub>O LILAC PIPE

Pipes for recycled water are identified by the colour – lilac. Hep<sub>2</sub>O Lilac Pipe is now available and suitable for use with recycled water (grey water) piping systems and can be used with WaterLink fittings.

# PIPE CONNECTIONS

The flexible WATERLINK system guarantees a professional installation when installed by a licensed plumber.

## PIPE CONNECTION USING PUSH FIT FITTINGS

### ATTACHMENT

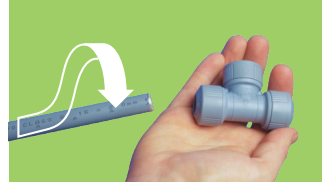
Joining procedure – use this joining procedure for ALL WaterLink Push Fit fittings, no matter which type of fitting is used. All fittings are pre-lubricated.



Use only purpose-designed pipe cutters. Cut the pipe at one of the insertion marks. Ensure the pipe end is free from burrs.



Insert a WaterLink support sleeve into the pipe end. Ensure pipe and fitting are free of foreign matter and chemicals (flux, lubricants, adhesives, etc) which can damage the product.



Push the pipe firmly into the fitting. A secure joint has been made when the end of the cap has reached the next insertion mark on the pipe.



Tug back on the pipe to ensure the grab ring engages correctly.

### DETACHMENT REUSING A DEMOUNTABLE FITTING



Unscrew the retaining cap and pull the pipe clear of the fitting.



Remove the grab-ring from the pipe. **The used grab-ring must be discarded.**



Remove the 'O' ring and support ring from the pipe.



Ensure the pipe end is free from any scratches, burrs and grab-ring teeth marks by cutting off the affected section of the pipe.



Re-assemble the fitting:

Insert the new grab ring, with the teeth pointing towards the fitting, then insert the support ring, and finally insert the 'O' ring.

Replace the cap hand tight.

### INSERTING A BLANKING CAP

Unscrew the cap. Push the closed end of the blanking cap into the 'O' ring. Replace the cap fully hand tight.

### REMOVING THE BLANKING CAP

Unscrew the cap and remove the blanking cap. Replace the cap fully hand tight.

**NOTE:** Stainless steel blanking caps will not work correctly in Hep20 fittings with BiTite® grab wedges inside.

# KEY INFORMATION

## WATERLINK KEY INFORMATION

- WATERLINK should always be installed in accordance with AS/NZS 3500 National Plumbing Code and NZBC G12 Water Supplies.
- WATERLINK does not corrode or cause "blue water" in soft water areas or scale up in hard water areas.
- WATERLINK minimises water hammer and provides a quiet plumbing system.
- WATERLINK is manufactured to AS/NZS 2642 Parts 2 & 3 Polybutylene Pipe Systems.
- WATERLINK must be shielded or painted to protect from UV light when used externally for extended periods.
- WATERLINK should not be used when exposed to petroleum solvents at any time.
- WATERLINK should not be used in continuously circulating hot water loops above 60°C without consultation.
- Avoid placing heavy loads or sharp objects on top of pipe coils or lengths.

## TEMPERATURE-PRESSURE RELATIONSHIP

TEMPERATURE					
°C	20	40	60	70	90
°F	68	104	140	176	194
PRESSURE					
kPa	1,600	1,370	1,050	700	600
Bar	16.0	13.7	10.5	7.0	6.0
PSI	228	195	150	100	85

Temperature & pressure relationship is for operational purposes and not failure pressure. However, where continuously circulating hot water is being used above 60 °C, please consult LEAP

## FLEXIBILITY OF WATERLINK POLYBUTYLENE PIPES

WATERLINK pipes can be bent and repeatedly flexed without incurring damage subject to minimum bend radius as per the table below – eight times the diameter of the pipe. Where tighter bends are required, elbows or pipe supports must be used. All bent pipe must be supported using pipe clips or other pipe support to minimize undue stress on the pipe or fitting joints. Care should be taken to avoid over bending and buckling the pipe.

Pipe Designation	Mean O.D	Min Radius
AS15	12.6 mm	102 mm
AS18	15.8 mm	130 mm
AS22	22.1 mm	183 mm
AS28	27.9 mm	204 mm

Note: If a pipe is kinked during installation that portion of the pipe must be cut out and replaced otherwise pipe failure will occur at the point of the kink.

## PRESSURE TESTING

AS/NZS 3500 requires all installations be hydrostatically tested. For installations with WATERLINK the recommended test pressure is 1500kPa and should not be less than 30 minutes in accordance with AS/NZS 3500. Care should be taken to disconnect any appliances or fittings that will not withstand, or will be damaged by testing at 1500kPa.

**REMEMBER!** Pressure testing is NOT a substitute for making sure the correct insertion depth of the tube into the fitting using either the insertion marks or a pencil mark has been achieved.

FOR MORE INFORMATION ABOUT WATERLINK CALL

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