

# K2™

## PE-X Plumbing System Installation Guidelines



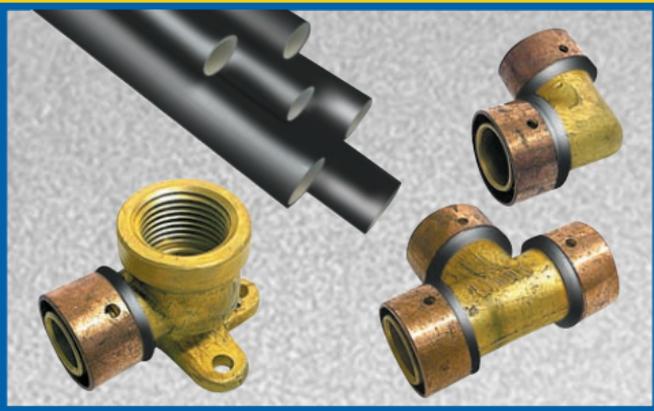
***IPLEX***  
Pipelines

# The future of PE-X Plumbing Systems...

## Iplex K2™ water pipe system



- Flexible pipe
- 16mm and 20mm pipe in 100m coils
- 25mm pipe in 50m coils
- 16mm, 20mm and 25mm in 5m lengths



- Iplex K2™ high integrity brass fittings



- Cutting & crimping tools

That's all – no brazing, soldering, gases, silver oxides or fluxes. No lugging heaps of gear around or going back for forgotten bits and pieces. That means substantial savings on equipment and time.

## INTRODUCTION

This technical manual details features and installation aspects of the three ranges of Iplex K2™ PE-X pipes and fittings system:

Iplex K2™ PE-X Hot & Cold Water  
– Black pipe

Iplex K2™ PE-X Recycled Water  
– Purple pipe

Iplex K2™ PE-X Rain Water  
– Green pipe

Fittings and tools for all three pipe systems are identical.

The Iplex K2™ PE-X pipes and fittings system should be installed in accordance with the relevant requirements in AS/NZS 3500 part 1, 4 & 5. The system is intended for use by licensed plumbing tradesmen.

The Iplex K2™ PE-X pipes and fittings system offers an integrated system that is flexible enough to be bent by hand, is extremely light weight, corrosion resistant and virtually eliminates water hammer noise. No brazing or soldering is necessary. When installed by a trained and licensed tradesman, the system has proven to be of high quality and economical to use.



## Pipe

The base material is a high-density polyethylene that has been modified during manufacturing to chemically link the polymer molecules to one another, thus forming a 3-dimensional structure.

Manufacturing processes used to achieve the 3-dimensional cross-linked structure may be one of the following:

- PE-Xa Peroxide method - a chemical process where a peroxide and HDPE are mixed at extreme pressure during extrusion.
- PE-Xb Silane methods – Vinyl silane is either grafted on to the polyethylene molecules in a separate step or added during the extrusion process.

Cross-linking via the silane groups occurs when the pipe is subjected to steam, hot water or humidity.

- PE-Xc Electron Beam radiation method – no additional chemicals are added to the HDPE which is extruded normally and then subjected to electron beams.

Irrespective of which process is employed to cross-link the HDPE, the finished pipe products are subjected to and must pass the same test regimes as required by Australian Standard AS/NZS 2492.

## Iplex K2™ PE-X Pipes

Iplex K2™ PE-X Hot & Cold Water pipe is produced with a black co-extruded PE-X coating containing carbon black, which acts as a UV absorber to protect the pipe from UV degradation. This product can be used for hot and cold plumbing in domestic or commercial situations.

Iplex K2™ PE-X Recycled Water pipe is produced with a purple co-extruded PE-X coating and the print message “RECYCLED WATER-DO NOT DRINK”. This product can be used when a second non-potable water supply is available for toilet flushing etc.

Iplex K2™ PE-X Rain Water pipe is produced with a green co-extruded PE-X coating and the print message “RAINWATER”. This product has been developed to connect your rainwater tank to household appliances, including washing machines and toilet cistern.

Iplex K2™ Sleeving pipe is a corrugated pipe used as a sleeve to protect Iplex K2™ PE-X Recycled Water & Iplex K2™ PE-X Rain Water pipe from direct exposure to UV light.

**Table 1. Dimensions of Iplex K2™ PE-X pipe**

Nom. outside diameter	Mean bore
DN16 – 16 mm	10.8 – 11.9 mm
DN20 – 20 mm	13.6 – 14.7 mm
DN25 – 25 mm	17.0 – 18.3 mm

## Fittings

Iplex K2™ fittings are specially designed and engineered to complement the Iplex K2™ PE-X pipes. The Iplex K2™ PE-X pipes and fittings system has a comprehensive range of fittings that are suitable for general use. Each box contains an installation instruction leaflet, which must be followed.

**Table 2. Dimensions of Iplex K2™ fittings**

Nom. outside diameter	Mean bore
DN16 – 16 mm	8.4 mm
DN20 – 20 mm	11.2 mm
DN25 – 25 mm	14.6 mm

## DR Brass Fittings

Iplex K2™ DR brass fittings are fully dezincification resistant to AS 2345 and are precision CNC machined. DR brass contains less than 15% zinc, or has been heat treated or chemically enhanced to make it resistant to the loss of zinc i.e. dezincification resistant. Brass that is not dezincification resistant can lose its zinc content leaving a residue of spongy or porous copper.

## Copper Crimp Sleeves

All Iplex K2™ DR brass fittings have an annealed copper crimp sleeve with a pipe depth insertion window to provide visible assurance that the pipe has been pushed fully home.

## Before Installation

1. Store pipe under cover where it will not be exposed to direct sunlight.
2. Do not use pipe which has:
  - Cuts, deep scratches or gouges
  - Kinks or crushed sections
  - Evidence of grease, oil, tar etc
  - Noticeable colour fading of the pipe.

All damaged sections should be cut out and replaced.



## Crimping Tools

The crimping tools are precision instruments engineered to ensure a simple, effective joint. The principle of this jointing method has been well proven in many engineering applications in Australia. It is extensively used around the world for gas, hot and cold plumbing and in-floor heating.

With crimping tools, care should be taken to ensure that moving parts are not damaged. Refer to individual tool instructions for maintenance and correct use. Calliper gauges are supplied with all tools to check that the copper ring has been properly crimped. Only use the correct Iplex tools to crimp the Iplex K2™ PE-X pipes and fittings system.



Iplex K2™ PE-X pipes and fittings system offer the plumber an integrated system that has been well proven around the world.

**Some of the advantages are:**

- Simple jointing system – quick and easy assembly, light weight, high integrity.
- No brazing, soldering, gases, silver solders or fluxes.
- All fittings can be crimped by simple hand tools
- Compact fittings – for less intrusion.
- Tamper proof jointing system – once the system is crimped it cannot be pulled apart.
- The same Iplex K2™ tools can also be used to crimp Iplex K1™ gas fittings.
- Virtually eliminates water hammer noise – reduced callbacks.
- Power tools also available for crimping.

## **GENERAL INSTRUCTIONS**

Installation of Iplex K2™ PE-X pipes and fittings system must be carried out by a qualified, licensed tradesperson in accordance with Iplex's guidelines. However, the installer should follow the requirements of the National Plumbing Standard (AS/NZS 3500 parts 1, 4 & 5) as well as Local Authority or Regulatory codes and by-laws that are relevant to plumbing, which take precedence over these guidelines in any area where they are at variance.

## JOINTING PROCEDURES – Crimped connections

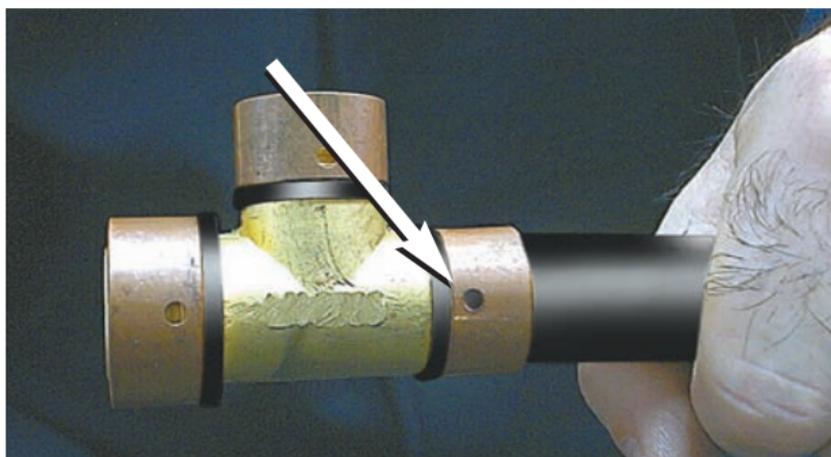
**Step 1** Cut pipe squarely with the Iplex K2™ pipe cutter, Iplex Part No. REMSPIPECUTTER or FK203064700. Do not use a hack saw.



**Step 2** Slide the pipe onto the fitting until it stops. If fitted correctly, the pipe should be visible through both the copper crimp sleeve windows (arrowed below).

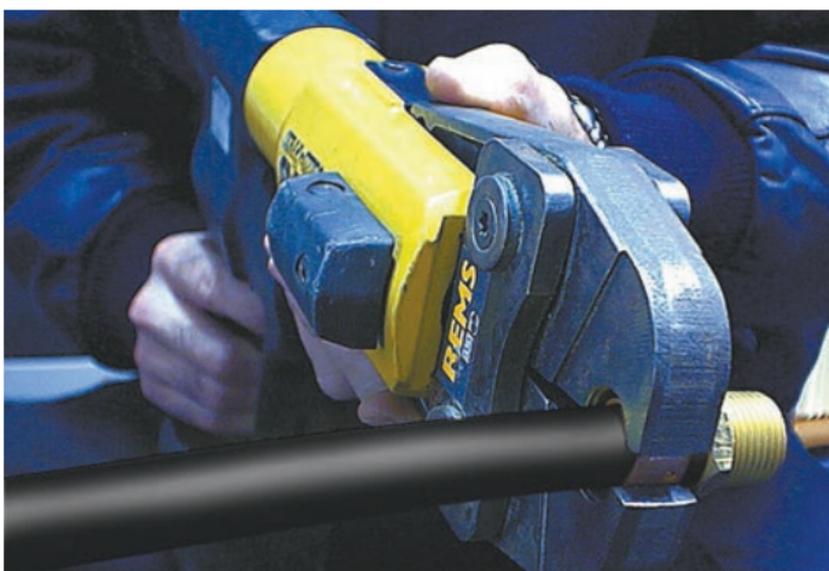
The fitting must be assembled with the copper crimp sleeve attached to the plastic retainer ring.

Ensure that the copper crimp sleeve is firmly attached to the plastic retainer ring. If the copper crimp sleeve has moved away from the plastic retainer ring, push it back onto the plastic retainer ring by hand before crimping.



## JOINTING PROCEDURES **continued**

**Step 3** Open crimp jaws all the way apart. Position crimp jaws squarely over the copper crimp sleeve. i.e at 90° to the pipeline. For hand tools ensure that the full jaw width of the tool makes contact with the copper crimp sleeve when crimping. For power tools crimp the jaws over the full width of the copper crimp sleeve. Avoid crimping the plastic retainer ring. Close the crimp tool jaws fully over the copper crimp sleeve. Open the crimp tool jaws and remove the crimp tool from the crimped fitting.



## JOINTING PROCEDURES Continued

**Step 4** Use the Iplex calliper gauges supplied with the tool to check each and every joint. Gauge tips must fit over the crimped copper sleeve at 90° to the tool jaw split line. Permanently tight connections can only be guaranteed with Iplex approved tools. The tools have to be protected against dirt and damage, and should be cleaned regularly.



### Under-crimping

Under-crimping (i.e. when the gauge will not pass over copper ring) can occur when:

1. The crimping tool has not been completely closed.
2. The crimping tool is out of adjustment  
(readjustment should be made in accordance with the instructions supplied with the tool).

### How to avoid a faulty connection

The Iplex K2™ PE-X pipes and fittings system is simple and effective to use when executed in accordance with the jointing procedures. However, if sufficient care is not taken, the consequences can be improper sealing, and a potential for leaks.

The most likely causes of faulty connections are:

1. The copper crimp sleeve has moved away from the body of the fitting.
2. The crimping tool has not been centred over the copper crimp sleeve, and thus the sleeve has only been partially crimped.
3. The pipe has not been pushed fully home on to the fitting when the crimp was made.
4. Pipe has not been cut squarely.
5. Tools are poorly maintained or damaged.

## **JOINTING PROCEDURES Continued**

### **If an incorrect joint is detected:**

- Cut out the defective joint and replace with new Iplex K2™ fitting.

### **If the pipe is kinked or damaged:**

- The faulty section of the pipe should be replaced.

### **Iplex K2™ PE-X pipe to copper pipe, steel pipe systems or appliances.**

Threaded fitting – brass or copper threaded fittings should not be used with other non-metallic threaded fittings. Use an approved sealant to seal all threaded fittings.

- When using brazing tails to connect copper pipe or metal fittings to Iplex K2™ PE-X pipe, always braze the brazing tail to the copper pipe or metal fittings first and allow it to cool before assembling the Iplex K2™ PE-X pipe.

At least four ribs should be shown on the brazing tails to allow for an effective joint to be made.

It is recommended that silver brazing alloys be used and that all flux deposits are removed once the joint has been made.

Excessive heat can damage Iplex K2™ PE-X pipes. When brazing copper pipes or fittings near Iplex K2™ PE-X pipes it is recommended a damp rag be used to protect the pipes.

### **Testing and inspection procedures.**

Testing procedures should be as per the requirements of AS/NZS 3500 part 1, 4 & 5 and/or any Local Authority or Regulatory requirements.

While the system is under test, all joints and fittings should be inspected for leaks and to ensure that the pipe has been fitted correctly and crimped in accordance with Iplex K2™ PE-X pipe installation instructions.

## INSTALLATION PROCEDURES

### Pipe bending

Due to the pipe's inherent flexibility Iplex K2™ PE-X pipes can be easily bent around obstructions or through studs and plates with minimum use of fittings. Care should be taken not to kink or damage the pipe. Never apply bending forces to a crimped fitting. Pipe must always be bent prior to crimping the fitting.

It is recommended that the minimum bending radius be at least 8 times the outside diameter of the pipe.

**Table 3. Minimum hand-bending radius**

16mm pipe	128mm min. radius
20mm pipe	160mm min. radius
25mm pipe	200mm min. radius

### Clipping

In accordance with AS/NZS 3500, Iplex K2™ PE-X pipes installed above ground shall be retained in position by clips at internals complying with the table below:

**Table 4. The use of pipe clips**

Nom. pipe diameter	Horizontal or graded pipes	Vertical pipes
16mm	600mm	1,200mm
20mm	750mm	1,400mm
25mm	750mm	1,500mm

### Timber and metal framework

Holes drilled in studs or plates etc shall be accurately sized to allow for longitudinal movement due to thermal expansion and contraction of the pipe.

In metal framework suitable grommets or a sleeve must be installed to avoid abrasion and physical damage to the pipe.

Note: Use of silicon and other such materials are not required and could be detrimental to the pipe.

## **INSTALLATION PROCEDURES Continued**

### **Corrosive environment**

As per the requirements of AS/NZS 3500 and/or Local Authority or Regulatory requirements, PE-X pipes and fittings installed in a potentially corrosive environment must be protected, i.e. marine environment.

### **Protection from physical damage**

As per the requirements of AS/NZS 3500 and/or Local Authority requirements, pipes and fittings must be protected against physical damage. This includes, but is not limited to, physical damage caused by exposure to direct sunlight, human activity, mechanical equipment, rodents or animals.

When Iplex K2™ PE-X Recycled Water or Iplex K2™ PE-X Rain Water pipe is installed externally above the ground, it must be protected against degradation from exposure to ultraviolet light. Iplex recommends that the pipe be lagged or sleeved.

Pipe buried underground should be buried to at least the minimum depths nominated in the relevant sections of AS/NZS 3500. Where appropriate, the pipe may be marked with marker tape, approximately 150mm above the pipe. If the pipe is buried under a building, there must be no joints in the pipe.

### **Chases, ducts or conduits**

Pipes embedded in walls or floors shall comply with the requirements of the appropriate building authority or local regulations.

## **INSTALLATION PROCEDURES Continued**

### **Thermal expansion**

The linear thermal expansion rate of Iplex K2™ PE-X pipes is approximately 20mm for every 10°C temperature changes for each 10 metres of pipe. Therefore, when pipes are installed in situations when they will be subjected to significant temperature change, provisions must be made for this potential movement of the pipe. Iplex K2™ PE-X pipes should not be pulled tight between fixed points as this will prohibit movement if the pipe contracts, and results in excessive tensile forces on joints and fittings.

## **LIMITATIONS**

### **Fire & excessive heat**

Cross-linked polyethylene will burn when exposed to an open flame and will continue to burn when the fire source is removed. The products of cross-linked polyethylene combustion are primarily carbon monoxide, carbon dioxide and water. These same combustion products are generated when any organic material burns.

Where cross-linked polyethylene pipe is installed and penetrates a fire resistant construction, the fire resistant integrity of the construction must be retained. This can commonly be achieved through the use of fire-stop collars but installers should seek definitive guidance by referring to the local building code.

### **Light transmission**

The co-extruded outer sheath in Iplex K2™ PE-X pipes provides opacity, which prevents the transmission of light that would otherwise promote algae growth.

The carbon black in Iplex K2™ PE-X Hot and Cold Water pipe also protects the pipe from the harmful effects of UV light.

## LIMITATIONS

### Thermal conductivity

The thermal conductivity of plastics is generally lower than that of metals. It is the poor thermal conductivity of cross-linked polyethylene that restricts the heat loss through hot water pipes and reduces the need for lagging. In addition, the rate of heat flow through a body is not just directly proportional to the thermal conductivity but also inversely proportional to the thickness. The wall thickness of the cross-linked polyethylene pipe further restricts heat loss.

Lagging of cross-linked polyethylene water pipes is required where the pipe is installed in chases or where it penetrates a concrete slab or to meet the energy efficiency requirements of the National Plumbing Standard AS/NZS 3500 Part 4 and Building Code of Australia. Also in particularly cold climates lagging is recommended where freezing can occur, for example, where pipe is exposed above ground. Although cross-linked polyethylene pipes have been shown to withstand freezing of water to a greater extent than many other materials, the pipe obviously is not useable if the water inside is frozen.

**Table 5. Thermal Conductivity – watt per metre Kelvin (W/m.K.)**

Material	PB	PE-X	COPPER	WATER	STEEL
Conductivity	0.14	0.35	401	0.6	47–74

### 6.4 Heat and pressure performances

Iplex K2™ PE-X pipes and fittings system must be installed in accordance with the manufacturer's installation requirements, AS / NZS 3500 parts 1, 4 & 5 and any local by-laws with particular reference to the pressure and temperature relationship as described in AS/NZS 2492, pressure derating of pipes according to pipe material temperature:

**Table 6. Working Pressure According to Pipe Material Temperature (PMT)**

PMT	20°C	60°C	70°C
Pressure	2000kPa	1500kPa	1330kPa

## PRODUCT RANGE

Product	Iplex Code	Minimum Order Quantity	Description
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### K2™ HOT & COLD WATER PIPE

FK29300000	1	16mm x 100 metre coil K2
FK29300002	1	20mm x 100 metre coil K2
FK29300004	1	25mm x 50 metre coil K2
FK29300010	20	16mm x 5 metre length K2
FK29300012	15	20mm x 5 metre length K2
FK29300014	10	25mm x 5 metre length K2



### K2™ SLEEVING PIPE

FK29300022	1	50 metre coil to suit 16mm & 20mm K2
FK29300024	1	50 metre coil to suit 25mm K2



### K2™ RECYCLED WATER PIPE (PURPLE)

FK29301000	1	16mm x 50 metre coil K2
FK29301002	1	20mm x 50 metre coil K2
FK29301004	1	25mm x 50 metre coil K2



### K2™ RAINWATER PIPE (GREEN)

K216EG	1	16mm x 5 metre length
K220EG	1	20mm x 5 metre length
K21650G	1	16mm x 50 metre coil K2
K22050G	1	20mm x 50 metre coil K2



### STRAIGHT JOINER

K2501616	20	16mm K2
K2502020	20	20mm K2
K2502525	10	25mm K2



### REDUCING JOINER

K2512016	25	20-16mm K2
K2512516	10	25-16mm K2
K2512520	10	25-20mm K2



### MALE ADAPTOR

K2521615	20	16mm K2 x 15mm BSP
K2522015	10	20mm K2 x 15mm BSP
K2522020	15	20mm K2 x 20mm BSP
K2522520	10	25mm K2 x 20mm BSP

## PRODUCT RANGE Continued

Product	Iplex Code	Minimum Order Quantity	Description
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### EQUAL BENDS – 90°

K2571616	20	16mm bend K2
K2572020	10	20mm bend K2
K2572525	5	25mm bend K2



### WINGBACK ELBOW (MALE)

K2601615	5	16mm x 15mm BSP Lugged
K2601615100	5	16mm x 15mm BSP x 100mm shaft Lugged
K2601615200	1	16mm x 15mm BSP x 200mm shaft Lugged
K2602015100	1	20mm x 15mm BSP x 100mm shaft Lugged
K2602015200	1	20mm x 15mm BSP x 200mm shaft Lugged
K2602020150	1	20mm x 20mm BSP x 150mm shaft Lugged



### EQUAL TEES

K255161616	10	16mm x 16mm x 16mm K2
K255202020	10	20mm x 20mm x 20mm K2
K255252525	5	25mm x 25mm x 25mm K2



### REDUCING TEES (denotes branch size)

K256162016	10	16mm x (20mm) x 16mm K2
K256201616	10	20mm x (16mm) x 16mm K2
K256201620	5	20mm x (16mm) x 20mm K2
K256202016	5	20mm x (20mm) x 16mm K2
K256202520	5	20mm x (25mm) x 20mm K2
K256251625	5	25mm x (16mm) x 25mm K2
K256252020	5	25mm x (20mm) x 20mm K2
K256252025	5	25mm x (20mm) x 25mm K2
K256252520	5	25mm x (25mm) x 20mm K2



### BRAZING TAILS (FEMALE)

K2731615	30	16mm K2 x 15mm CU
K2732020	20	20mm K2 x 20mm CU
K2732525	10	25mm K2 x 25mm CU



### TEST PLUGS

K2TP16	25	16mm K2
K2TP20	20	20mm K2
K2TP25	10	25mm K2



### CRIMP RINGS

K2CRING16	50	16mm Crimp Ring K2
K2CRING20	50	20mm Crimp Ring K2
K2CRING25	50	25mm Crimp Ring K2

## PRODUCT RANGE Continued

Product	Iplex Code	Bag Quantity	Description
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### WINGBACK ELBOW (FEMALE)

K2621615	5	16mm K2 x 15mm BSP Lugged
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### K2™ FEMALE SWIVEL ADAPTOR

K2671615	15	16mm x 15mm Adapt K2
K2671620	10	16mm x 20mm Adapt K2
K2672020	10	20mm x 20mm Adapt K2
K2672525	5	25mm x 25mm Adapt BSP K2



### K2™ ADAPTOR – PEX TO COPPER

K2541615	10	16mm x 15mm Pex to CU Adapt K2
K2542020	10	20mm x 20mm Pex to CU Adapt K2
K2542525	5	25mm x 25mm Pex to CU Adapt K2



### MALE BEND

K2581615	10	16mm K2 x 15mm BSP
K2582015	10	20mm K2 x 15mm BSP



### 16mm CLIPS

FK29016TK	100	16mm Clip with TEK Screw
FK29016TS	100	16mm Clip with Twist Shank Nail
FK29016M	100	16mm Clip with Masonry Nail
FK29016ACM2	100	16mm Clip with Masonry Anchor



### 20mm CLIPS

FK29020TK	100	20mm Clip with TEK Screw
FK29020TS	100	20mm Clip with Twist Shank Nail
FK29020M	100	20mm Clip with Masonry Nail
FK29020ACM4	100	20mm Clip with Masonry Anchor

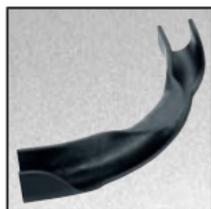


### 25mm CLIPS

FK29025TK	100	25mm Clip with TEK Screw
FK29025TS	100	25mm Clip with Twist Shank Nail
FK29025M	100	25mm Clip with Masonry Nail

## PRODUCT RANGE Continued

Product	Iplex Code	Minimum Order Quantity	Description
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### PIPE BENDING GUIDE – 90°

FK203064824SR	50	Guide to suit 16mm pipe
FK203064832	10	Guide to suit 20mm pipe
FK203064840	10	Guide to suit 25mm pipe



### K2™ SINK/BATH SETS

#### FLOOR ENTRY

K27710200F	1	16mm x 0.2m Sink/Bath K2
K27710300F	1	16mm x 0.3m Sink/Bath K2

#### REAR ENTRY

K27710300R	1	16mm x 0.3m Sink/Bath K2
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#### SIDE ENTRY

K27710300S	1	16mm x 0.3m Sink/Bath K2
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### K2™ SHOWER SETS

#### FLOOR ENTRY

K27920150F	1	16mm x 0.15m Shower K2
K27920200F	1	16mm x 0.20m Shower K2

#### SIDE ENTRY

K27920150S	1	16mm x 0.15m Shower K2
K27920200S	1	16mm x 0.20m Shower K2

#### TOP ENTRY

K27920150T	1	16mm x 0.15m Shower K2
K27920200FTR	1	16mm x 0.20m Shower RH K2 (Top/Floor Entry)
K27920200T	1	16mm x 0.20m Shower K2

### K2™ SPA SETS

#### REAR ENTRY

K27715170R	1	170mm Spa Set K2
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## TOOLS

Product	Iplex Code	Description
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### REMS AKKU TOOL & ACCESSORIES

REMSAKKUTOOL	REMS AKKU Crimping Tool with Li-ion Battery
REMSAKKUTOOLKIT	REMS AKKU Crimping Tool with Li-ion Battery (c/w K40 & K50 heads)
REMSBATTERY	REMS Battery NI-CD (for old-style tool)
REMSCRIMP16	16mm REMS K1/K2/P18 Crimp Jaw
REMSCRIMP20	20mm REMS K1/K2 Crimp Jaw
REMSCRIMP25	25mm REMS K1/K2 Crimp Jaw
REMSCRIMP32	32mm REMS K1/K2 Crimp Jaw
REMSCRIMP40	40mm REMS K1/K2 Crimp Jaw
REMSCRIMP50	50mm REMS K1/K2 Crimp Jaw



### REMS MINI TOOL & ACCESSORIES

REMMINITOOL	REMS Mini Press Crimping Tool with Li-ion Battery
REMMINITOOLKIT	REMS Mini Press Crimping Tool with Li-ion Battery (c/w K16 & K20 heads)
REMSMINIBATTERY	REMS Mini Battery Li-ion 1.3AH
REMSMINICHARGER	REMS Mini Li-ion/Ni-CD Rapid Charger
REMSMINICRIMP16	16mm REMS K1/K2/P18 Crimp Jaw
REMSMINICRIMP20	20mm REMS K1/K2 Crimp Jaw
REMSMINICRIMP25	25mm REMS K1/K2 Crimp Jaw
REMSMINICRIMP32	32mm REMS K1/K2 Crimp Jaw
REMSMINICRIMP40	40mm REMS K1/K2 Crimp Jaw



### I-PRESS MINI TOOL & ACCESSORIES

IPRESSTOOL	I-Press Mini Press Crimp Tool with Li-ion Battery
IPRESSTOOLKIT	I-Press Mini Press Crimp Tool with Li-ion Battery (c/w K16 & K20 heads)
IPRESSBATTERY	I-Press Mini Battery Li-ion 18V
IPRESSCHARGER	I-Press Mini Charger
IPRESSCRIMP16	16mm I-Press K1/K2/P18 Crimp Jaw
IPRESSCRIMP20	20mm I-Press K1/K2 Crimp Jaw
IPRESSCRIMP25	25mm I-Press K1/K2 Crimp Jaw
IPRESSCRIMP32	32mm I-Press K1/K2 Crimp Jaw



### ALBA HAND TOOL

PCR18	Hand Crimping Tool
FKPCR20	Hand Crimping Tool 20mm
FKCR25	Hand Crimping Tool 25mm
FKCR32	Hand Crimping Tool 30mm



### CRIMPING TOOLS REPLACEMENT PARTS

ALBAPARTS916	Contains
	Cam bolt x/w M10 nyloc nut
	Handle pin c/w starlock washer
	Oversize roller
	Pivot pin c/w E type clips



### PIPE CUTTERS

REMSCUTTER63	REMS Universal Pipe Cutting Tool for pipe up to 63mm
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### CRIMP GAUGE

FKP64 Crimp Gauge



REMSPIPECUTTER	Pipe Cutting Tool for 16mm–32mm
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K203064700  
Pipe Cutting Tool  
for 16mm, 20mm  
and 25mm



## DISCLAIMER

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## WARRANTY

# WARRANTY CERTIFICATE



**iplex**  
Pipelines

## K2™

**PE-X HOT AND COLD WATER  
PIPE SYSTEM**

Iplex Pipelines cross-linked polyethylene Plumbing System is third-party certified to comply with the requirements of Australia/New Zealand Standard AS/NZS 2492 and AS/NZS 2537.2.

IPLEX K2® is manufactured under WaterMark Licence 2777 for Pipe and WaterMark Licence 70087 for Fittings and is approved for use in all States and Territories in Australia. When installed and used correctly, as specified in AS/NZS 3500 Parts 1, 4 and 5 of the National Plumbing Code and the Iplex Pipelines Installation Guide, Iplex Pipelines warrants K2™ against manufacturing defects for a period of 25 years from the date of manufacture (conditions apply).

**WaterMark**  
AS/NZS 2537.2 Lic. 71067  
Approval Mark

**WaterMark**  
AS/NZS 2492 Lic. 2777  
ISI Global



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