

# ROBUSTO

CRIMP WATER



**SPECIFICATIONS & INSTALLATION GUIDE**

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# SECTION 1.

## 50 YEAR PRODUCT WARRANTY



History tells us Market needs often dictate product development. We also know that products used in different regions around the globe may not be suitable for the harsh Australian environment that requires dedicated product development that will stand the test of time.

At Robusto Plumbing Systems, we understand this. Our research team spend significant time & effort testing our product to ensure it meets the need of the Australian market.

All fittings across our gas and water range are made of the premium quality, corrosion resistant, DR Brass providing both reliability and strength to stand the test of time.

UV Resistant to handle the harsh Australian conditions.

Sold in Australia by Plumbers Supplies Co-op assuring availability of supply across the range.

We believe in the quality of our product at Robusto Plumbing Systems, therefore we are proud to announce a 50 year warranty on both our gas and water systems.



# SECTION 1. INTRODUCTION



Robusto Plumbing systems are manufactured exclusively for Plumbers Co-op by Forza Global, The World Force in Plumbing Systems who are an Australian Owned & Operated business that provides exceptional service and quality products throughout Australia and New Zealand. Robusto PE-Xa PIPING Systems includes the BRASS FITTING COPPER RING CRIMP system for potable water, rainwater and recycled water.



## ROBUSTO PLUMBING SYSTEMS FOR POTABLE WATER, RAINWATER AND RECYCLED WATER SIMPLE, SAFE, SECURE

The Robusto Crimp Water System comprises of three components; a flexible cross linked high density polyethylene pipe, solid forged DR brass with copper ring fittings and special CRIMP tools.

All products are manufactured to strict quality controls and comply with Australian Standards, are watermarked approved and fully warranted for 50 years.

The superior material properties of Robusto Plumbing Systems are ideal for hot and cold water services. The system is hygienic and non-toxic, providing clean and clear drinking water without the inherent problems of conventional plumbing systems which include chlorine, corrosion and scale.

Colour coded pipe is available in BLACK and RED for potable water, GREEN for harvested rainwater and LILAC for recycled water. Robusto Plumbing Systems is suitable for domestic and commercial applications.

Robusto cross linked high-density polyethylene (PE-Xa) offers flexibility and impact resistance with a smooth bore

design resulting in quiet delivery minimizing water hammer and noise attributed to fluctuations in hydraulic pressure.

The Robusto CRIMP ring connection eliminates leakages and system failures when installed following installation guidelines. With specially designed tools, Robusto Plumbing Systems are suitable for installation by licensed plumbers.

Robusto Crimp Water System's simple joint method involves cutting the pipe square, pushing the pipe onto the fitting ensuring pipe is visible through the viewing port in the copper ring, followed by crimping the ring with the Robusto approved crimp tool. System must be tested in accordance with AS/NZ 3500.1

The Robusto PE-Xa Plumbing System joint can be made without the need for flame, heat, solder, or solvents.

## SECTION 2. SPECIFICATIONS

- Pipe made from Peroxide- cross linked polyethylene (PE-Xa)
- Used for Hot and Cold Water Services
- Thermal Conductivity :0.35 W/m.K
- Roughness: 0.007mm
- Maximum Temperature: 95 Deg C
- Short-term Temperature in case of HWS malfunction : 100 Deg
- Fittings are made from dezincification-resistance brass
- Pipe Dimension : 16 to 50
- Suitable for both Wet and Dry construction
- Approval Mark International Product Certification to Australian Standards



### **CRIMP TOOLS**

Robusto Plumbing systems tools have been designed to ensure a leak proof joint. The crimp tools have been manufactured with the highest quality material and designed to give long term trouble free service. Robusto also offer the option of both manual and battery tools.



### **WARRANTY**

Robusto Plumbing System (excluding tooling) is warranted for 50 years when installed by a licensed plumber in accordance with AS 3500 of the National Plumbing Code Parts 1, 4 and 5 and established installation practices.



### **AUSTRALIAN STANDARDS COMPLIANCE**

Robusto Plumbing System is licensed by Approval Mark International to Australian Standards and complies with Australian and New Zealand Standards AS/NZ 2492:2007 for Pipe (Lic.No.74817) and AS 2537:2-2011 for fittings (Lic. No. 74615)

## SECTION 3.

# TEST PROCEDURES FOR WATERMARK COMPLIANCE

Listed below are the characteristics that are being tested for as well as the code from which the method for testing is followed:

- Slow crack growth - ISO 13479
- Long term stability - ISO 1167 or as 1462.6
- Thermal stability – ISO/TR 10837
- Resistance to weathering – ISO 14531-1
- Longitudinal reversion – ISO 2505
- Hydrostatic strength – ISO 1167 or AS 1462.6
- Elongation at break - ISO 6259-1, ISO 6259-3
- Effect on water- AS 4020
- Opacity- ISO 7686
- Diameter and wall thickness - AS/NZS 1462.1
- Degree of cross linking - ISO 10147





# SECTION 4.

## PRESSURE LOSS TABLES

### FOR PN20 PE-X<sub>d</sub> PIPE

#### COLD WATER AT 25°C

PEAK FLOW RATE QS (L/S) .01 TO .50	16MM X 2.2 HEAD LOSS (KPA/M)	20MM X 2.8 HEAD LOSS (KPA/M)	25MM X 3.5 HEAD LOSS (KPA/M)	32MM X 4.4 HEAD LOSS (KPA/M)
0.05	0.3465	0.1242	-	-
0.10	1.1650	0.4141	0.1430	0.0430
0.15	2.3930	0.8455	0.2905	0.0866
0.20	4.0077	1.4090	0.4822	0.1430
0.25	5.9950	2.1001	0.7160	0.2122
0.30	8.3490	2.9143	0.9908	0.2927
0.35	11.0620	3.8498	1.3053	0.3846
0.40	14.1295	4.9036	1.6589	0.4879
0.45	-	6.0756	2.0510	0.6018
0.50	-	7.3633	2.4808	0.7266

#### HOT WATER AT 60°C

PEAK FLOW RATE QS (L/S) .01 TO .50	16MM X 2.2 HEAD LOSS (KPA/M)	20MM X 2.8 HEAD LOSS (KPA/M)	25MM X 3.5 HEAD LOSS (KPA/M)	32MM X 4.4 HEAD LOSS (KPA/M)
0.05	0.2913	0.0135	0.0358	0.0106
0.10	1.0002	0.3520	0.1205	0.0357
0.15	2.0803	0.7270	0.2475	0.0731
0.20	3.5175	1.2222	0.4140	0.1218
0.25	5.3030	1.8343	0.6185	0.1814
0.30	7.4321	2.5605	0.8685	0.2515
0.35	9.9026	3.3998	1.1392	0.3318
0.40	12.7115	4.3509	1.4535	0.4223
0.45	-	5.4121	1.8038	0.5228
0.50	-	6.5836	2.1891	0.6329

# SECTION 5.

## ROBUSTO PIPE PACKAGING

PIPE SIZE	BLACK
16MM	5M LENGTHS, 100M COILS
20MM	5M LENGTHS, 100M COILS
25MM	5M LENGTHS, 50M COILS
32MM	5M LENGTHS, 50M COILS

PIPE SIZE	RED
16MM	5M LENGTHS, 100M COILS
20MM	5M LENGTHS, 100M COILS
25MM	5M LENGTHS, 50M COILS
32MM	5M LENGTHS, 50M COILS

PIPE SIZE	LILAC	GREEN
16MM	5M LENGTHS, 50M COILS	5M LENGTHS, 50M COILS
20MM	5M LENGTHS, 50M COILS	5M LENGTHS, 50M COILS
25MM	5M LENGTHS, 50M COILS	5M LENGTHS, 50M COILS

NOM OD	MEAN OUTSIDE DIA (MM)		WALL THICKNESS (MM)	
	MIN	MAX	MIN	MAX
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	3.6	4.0
DN 32-32MM	32.0	32.3	4.4	5.0

### PRESSURE RATINGS

Pipes for water applications are classified in terms of the nominal pressure rating (PN) at water service temperature of 20°C. Robusto Plumbing Systems has a pressure rating of PN20 and a nominal working pressure and pipe material temperature (PMT).

PMT	20C	60C	70C
PN			
20	KPA 2000	1500	1330



# SECTION 6. CERTIFICATE OF CONFORMITY



## CERTIFICATE OF CONFORMITY

*ApprovalMark International* hereby grants:

**FORZA Global Pty Ltd**  
2/8 Barclay Road  
Derrimut, 3030  
AUSTRALIA

**WaterMark Certificate of Conformity – WMCS 2016**  
Evaluated to:

**AS/NZS 2492:2007 - Cross-linked polyethylene (PE-X) pipes for pressure applications**

The WaterMark licensee shall comply with all the terms and conditions as stipulated by the governance of the operating rules of WaterMark, and shall comply with standard requirement at all times including when standard is amended. The WaterMark license only covers the product which is identified in the product schedule.

This certificate is issued by a JAS-ANZ accredited certification body. The ABCB and JAS-ANZ do not in any way warrant, guarantee or represent that the product the subject of this Certificate conforms to the WaterMark Certification Scheme Rules, nor accepts any liability arising out of the use of the product. The ABCB disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

\* This certificate may only be reproduced in its entirety.

**Certificate No. WM 74817**

**Issued:** 1<sup>st</sup> July 2019

**Originally Certified:** 1<sup>st</sup> July 2019

**Expires:** 1<sup>st</sup> July 2024

**Current Certification:** 1<sup>st</sup> July 2019

**John PRASAD**

Director  
ApprovalMark International Pty Ltd  
20/33 Holbeche Road, Arndell Park 2148, Australia  
[www.approvalmark.com](http://www.approvalmark.com)



ApprovalMark Certification

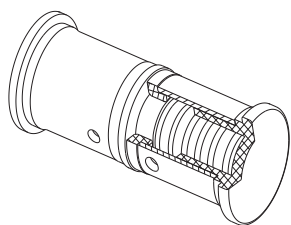


WaterMark

ApprovalMark

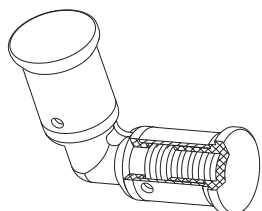
# SECTION 7.

## ROBUSTO CRIMP WATER FITTINGS LIST

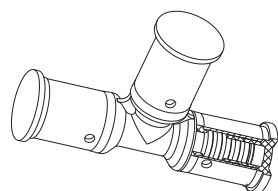


PART NO	CODE	SIZE	DESCRIPTION
<b>COUPLING</b>			
688600	RCSC16	DN16	ROBUSTO WATER CRIMP NO.1 STRAIGHT COUPLING 16MM
688601	RCSC20	DN20	ROBUSTO WATER CRIMP NO.1 STRAIGHT COUPLING 20MM
688602	RCSC25	DN25	ROBUSTO WATER CRIMP NO.1 STRAIGHT COUPLING 25MM
688603	RCSC32	DN32	ROBUSTO WATER CRIMP NO.1 STRAIGHT COUPLING 32MM

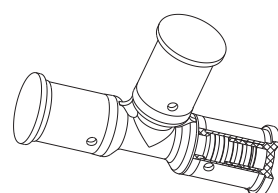
<b>REDUCING COUPLING</b>			
688606	RCRC2016	DN20-16	ROBUSTO WATER CRIMP NO.1 REDUCING COUPLING 20MM X 16MM
688607	RCRC2516	DN25-16	ROBUSTO WATER CRIMP NO.1 REDUCING COUPLING 25MM X 16MM
688608	RCRC2520	DN25-20	ROBUSTO WATER CRIMP NO.1 REDUCING COUPLING 25MM X 20MM
688609	RCRC3220	DN32-20	ROBUSTO WATER CRIMP NO.1 REDUCING COUPLING 32MM X 20MM



<b>ELBOW</b>			
688634	RCE16	DN16	ROBUSTO WATER CRIMP NO.12 EQUAL ELBOW 16MM
688635	RCE20	DN20	ROBUSTO WATER CRIMP NO.12 EQUAL ELBOW 20MM
656636	RCE25	DN25	ROBUSTO WATER CRIMP NO.12 EQUAL ELBOW 25MM
656637	RCE32	DN32	ROBUSTO WATER CRIMP NO.12 EQUAL ELBOW 32MM



<b>EQUAL TEE</b>			
688690	RCET16	DN16	ROBUSTO WATER CRIMP NO.24 EQUAL TEE 16MM
688691	RCET20	DN20	ROBUSTO WATER CRIMP NO.24 EQUAL TEE 20MM
688692	RCET25	DN25	ROBUSTO WATER CRIMP NO.24 EQUAL TEE 25MM
688693	RCET32	DN32	ROBUSTO WATER CRIMP NO.24 EQUAL TEE 32MM



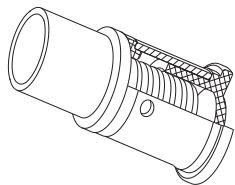
<b>CENTRE REDUCING TEE</b>			
688697	RCRT202016	DN20X20X16	ROBUSTO WATER CRIMP NO.25 REDUCING TEE 20MM X 20MM X 16MM
688698	RCRT252516	DN25X25X16	ROBUSTO WATER CRIMP NO.25 REDUCING TEE 25MM X 25MM X 16MM
688699	RCRT252520	DN25X25X20	ROBUSTO WATER CRIMP NO.25 REDUCING TEE 25MM X 25MM X 20MM

<b>END REDUCING TEE</b>			
688703	RCRT201620	DN20X16X20	ROBUSTO WATER CRIMP NO.26 REDUCING TEE 20MM X 16MM X 20MM
688704	RCRT252025	DN25X20X25	ROBUSTO WATER CRIMP NO.26 REDUCING TEE 25MM X 20MM X 25MM

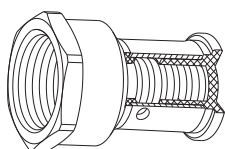
<b>END AND CENTRE REDUCING TEE</b>			
688709	RCRT201616	DN20X16X16	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 20MM X 16MM X 16MM
688698	RCRT251616	DN25X16X16	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 25MM X 16MM X 16MM
688699	RCRT252020	DN25X20X20	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 25MM X 20MM X 20MM
688700	RCRT323216	DN32X32X16	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 32MM X 32MM X 16MM
688701	RCRT323220	DN32X32X20	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 32MM X 32MM X 20MM
688702	RCRT323225	DN32X32X25	ROBUSTO WATER CRIMP NO.27 REDUCING TEE 32MM X 32MM X 25MM

# SECTION 7.

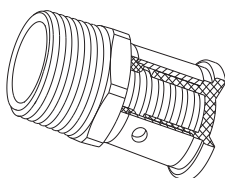
## ROBUSTO CRIMP WATER FITTINGS LIST



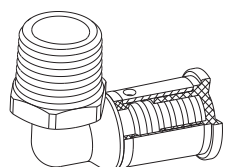
PART NO.	CODE	SIZE	CONNECTING BARB SOCKET
688765	RCCBS16	DN16	ROBUSTO WATER CRIMP CONNECTING BARB 16MM X 1/2" CU SOCKET
688766	RCCBS20	DN20	ROBUSTO WATER CRIMP CONNECTING BARB 20MM X 3/4" CU SOCKET
656772	RCCB16	DN16	ROBUSTO WATER CRIMP CONNECTING BARB 16MM
656773	RCCB20	DN20	ROBUSTO WATER CRIMP CONNECTING BARB 20MM
656774	RCCB25	DN25	ROBUSTO WATER CRIMP CONNECTING BARB 25MM
656775	RCCB32	DN32	ROBUSTO WATER CRIMP CONNECTING BARB 32MM



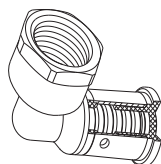
FEMALE CONNECTOR			
688614	RCFSC1615	DN16X1/2"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 16MM X 1/2" BSP FEMALE
688615	RCFSC2015	DN20X1/2"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 20MM X 1/2" BSP FEMALE
688616	RCFSC2020	DN20X3/4"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 20MM X 3/4" BSP FEMALE
688619	RCFSC2525	DN25X1"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 25MM X 1" BSP FEMALE
688620	RCFSC3225	DN32X1"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 32MM X 1" BSP FEMALE
688621	RCFSC3232	DN32X1 1/2"FI	ROBUSTO WATER CRIMP NO.2 STRAIGHT CONNECTOR 32MM X 1 1/2" BSP FEMALE



MALE CONNECTOR			
688624	RCMSC1615	DN16X1/2"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 16MM X 1/2" BSP MALE
688625	RCMSC1620	DN16X3/4"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 16MM X 3/4" BSP MALE
688626	RCMSC2015	DN20X1/2"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 16MM X 1/2" BSP MALE
688627	RCMSC2020	DN20X3/4"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 16MM X 3/4" BSP MALE
688629	RCMSC2525	DN25X1"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 25MM X 1" BSP MALE
688630	RCMSC3225	DN32X1"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 32MM X 1" BSP MALE
688631	RCMSC3232	DN32X1 1/2"M	ROBUSTO WATER CRIMP NO.3 STRAIGHT CONNECTOR 32MM X 1 1/2" BSP MALE



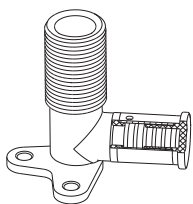
MALE ELBOW			
688647	RCME1615	DN16X1/2"M	ROBUSTO WATER CRIMP NO.13 ELBOW 16MM X 1/2" BSP MALE
688649	RCME2015	DN20X1/2"M	ROBUSTO WATER CRIMP NO.13 ELBOW 20MM X 1/2" BSP MALE
688650	RCME2020	DN20X3/4"M	ROBUSTO WATER CRIMP NO.13 ELBOW 20MM X 3/4" BSP MALE
688653	RCME2520	DN25X3/4"M	ROBUSTO WATER CRIMP NO.13 ELBOW 25MM X 3/4" BSP MALE
688653	RCME2525	DN25X1"M	ROBUSTO WATER CRIMP NO.13 ELBOW 25MM X 1" BSP MALE



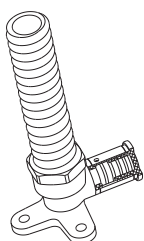
FEMALE ELBOW			
688658	RCFE1615	DN16X1/2"F	ROBUSTO WATER CRIMP NO.14 ELBOW 16MM X 1/2" BSP FEMALE
688660	RCFE2015	DN20X1/2"F	ROBUSTO WATER CRIMP NO.14 ELBOW 20MM X 1/2" BSP FEMALE
688661	RCFE2020	DN20X3/4"F	ROBUSTO WATER CRIMP NO.14 ELBOW 20MM X 3/4" BSP FEMALE

# SECTION 7.

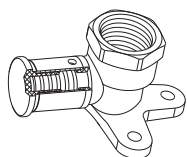
## ROBUSTO CRIMP WATER FITTINGS LIST



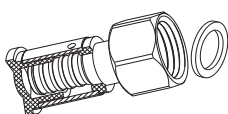
PART NO	CODE	SIZE	DESCRIPTION
<b>MALE LUGGED ELBOW</b>			
688676	RCWM161565	DN16X1/2"MI-65	ROBUSTO WATER CRIMP NO.19BP ELBOW 16MM X 1/2" BSP MALE 65MM LONG
688677	RCWM161590	DN16X1/2"MI-90	ROBUSTO WATER CRIMP NO.19BP ELBOW 16MM X 1/2" BSP MALE 90MM LONG
688682	RCWM201595	DN20X1/2"MI-95	ROBUSTO WATER CRIMP NO.19BP ELBOW 20MM X 1/2" BSP MALE 95MM LONG
688683	RCWM202095	DN20X3/4"MI-95	ROBUSTO WATER CRIMP NO.19BP ELBOW 20MM X 3/4" BSP MALE 95MM LONG



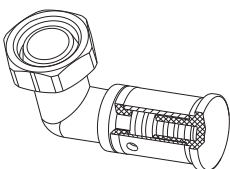
<b>EXTENDED MALE LUGGED ELBOW</b>			
688678	RCWM1615150	DN16X1/2"MI-150	ROBUSTO WATER CRIMP NO.19BP ELBOW 16MM X 1/2" BSP MALE 150MM LONG
688679	RCWM1615200	DN16X1/2"MI-200	ROBUSTO WATER CRIMP NO.19BP ELBOW 16MM X 1/2" BSP MALE 200MM LONG
688683	RCWM2015200	DN20x1/2"MI-200	ROBUSTO WATER CRIMP NO.19BP ELBOW 20MM X 1/2" BSP MALE 200MM LONG
688684	RCWM2020200	DN20x3/4"MI-200	ROBUSTO WATER CRIMP NO.19BP ELBOW 20MM X 3/4" BSP MALE 200MM LONG
688686	RCWM2016200	DN20X1/2"MI-200	ROBUSTO WATER CRIMP #19BP ELBOW 20MM X 5/8" X 200MM BSPM (INC. 5/8" BRASS CAP)
688687	RCWM201690	DN20X1/2"-90	ROBUSTO WATER CRIMP #19BP ELBOW 20MM X 5/8" X 90MM BSPM (INC. 5/8" BRASS CAP)



<b>FEMALE LUGGED ELBOW</b>			
688670	RCWF1615	DN16X1/2"FI	ROBUSTO WATER CRIMP NO.15BP LUGGED ELBOW 16MM X 1/2" BSP FEMALE
688671	RCWF2015	DN20X1/2"FI	ROBUSTO WATER CRIMP NO.15BP LUGGED ELBOW 20MM X 1/2" BSP FEMALE
688672	RCWF2020	DN20X3/4"FI	ROBUSTO WATER CRIMP NO.15BP LUGGED ELBOW 20MM X 3/4" BSP FEMALE



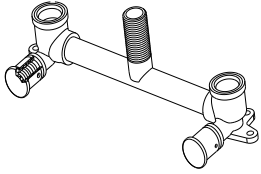
<b>STRAIGHT TAP CONNECTOR</b>			
688732	RCSTC1615	DN16X1/2"FI	ROBUSTO WATER CRIMP NO.62 STRAIGHT TAP CONNECTOR 16MM X 1/2" BSP
688733	RCSTC2020	DN20X3/4"FI	ROBUSTO WATER CRIMP NO.62 STRAIGHT TAP CONNECTOR 20MM X 3/4" BSP



<b>BENT TAP CONNECTOR</b>			
688735	RCBTC1615	DN16X1/2"FI	ROBUSTO WATER CRIMP NO.63 BENT TAPCONNECTOR 16MM X 1/2" BSP
688733	RCBTC2020	DN20X3/4"FI	ROBUSTO WATER CRIMP NO.63 BENT TAPCONNECTOR 20MM X 3/4" BSP

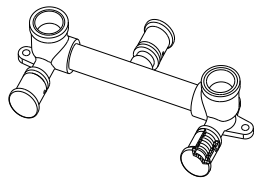
# SECTION 7.

## ROBUSTO CRIMP WATER FITTINGS LIST



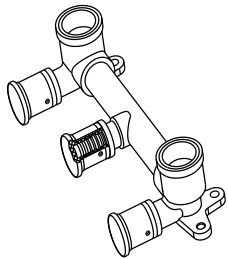
### LAUNDRY ASSEMBLY RIGHT ANGLE

688744	RCBLARA200	200MM	ROBUSTO WATER CRIMP BATH/LAUNDRY ASSEMBLY RIGHT ANGLE 200MM
688746	RCBLARA300	300MM	ROBUSTO WATER CRIMP BATH/LAUNDRY ASSEMBLY RIGHT ANGLE 300MM



### SHOWER ASSEMBLY RIGHT ANGLE

688753	RCSARA150	150MM	ROBUSTO WATER CRIMP SHOWER ASSEMBLY RIGHT ANGLE 150MM
688754	RCSARA200	200MM	ROBUSTO WATER CRIMP SHOWER ASSEMBLY RIGHT ANGLE 200MM

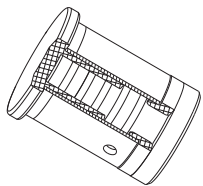


### SHOWER ASSEMBLY BARBS UP

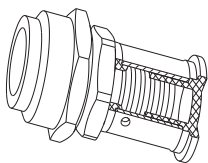
688756	RCSARA150BU	150MM	ROBUSTO WATER CRIMP SHOWER ASSEMBLY BARBS UP 150MM
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# SECTION 7.

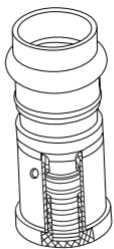
## ROBUSTO CRIMP WATER FITTINGS LIST



PART NO	CODE	SIZE	DESCRIPTION
<b>END STOPPER</b>			
688725	RCS16	DN16	ROBUSTO WATER CRIMP NO.61 STOPPER 16MM
688726	RCS20	DN20	ROBUSTO WATER CRIMP NO.61 STOPPER 20MM
688727	RCS25	DN25	ROBUSTO WATER CRIMP NO.61 STOPPER 25MM
688728	RCS32	DN32	ROBUSTO WATER CRIMP NO.61 STOPPER 32MM



<b>FLARED COMPRESSION CONNECTOR</b>			
688738	RCCU1615	DN16X1/2" CU	ROBUSTO WATER CRIMP FLARED COMPRESSION CONNECTOR 16MM X 1/2" CU
688739	RCCU2020	DN20X3/4" CU	ROBUSTO WATER CRIMP FLARED COMPRESSION CONNECTOR 20MM X 3/4" CU



<b>COPPER PRESS ADAPTER</b>			
165306	RCCP1615	DN16 - 1/2"	ROBUSTO WATER CRIMP 16MM X 1/2" COPPER PRESS ADAPTER
165307	RCCP2020	DN20 - 3/4"	ROBUSTO WATER CRIMP 20MM X 3/4" COPPER PRESS ADAPTER
165308	RCCP2525	DN25X3/4"	ROBUSTO WATER CRIMP 25MM X 1" COPPER PRES ADAPTER
165309	RCCP3232	DN32X 1 1/2"	ROBUSTO WATER CRIMP 32MM X 1" COPPER PRES ADAPTER

# SECTION 8. CERTIFICATE OF CONFORMITY



## CERTIFICATE OF CONFORMITY

*ApprovalMark International* hereby grants:

**Forza Global Pty Ltd**  
2/8 Barclay Road  
Derrimut, VIC 3030  
AUSTRALIA

**WaterMark Certificate of Conformity – WMCS 2016**  
Evaluated to:

**AS/NZS 2537.2:2011 – Mechanical jointing fittings for use with crosslinked polyethylene (PE-X) for pressure applications – Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Fittings (ISO 15875-3:2003, MOD)**

The WaterMark licensee shall comply with all the terms and conditions as stipulated by the governance of the operating rules of WaterMark, and shall comply with standard requirement at all times including when standard is amended. The WaterMark license only covers the product which is identified in the product schedule.

This certificate is issued by a JAS-ANZ accredited certification body. The ABCB and JAS-ANZ do not in any way warrant, guarantee or represent that the product the subject of this Certificate conforms to the WaterMark Certification Scheme Rules, nor accepts any liability arising out of the use of the product. The ABCB disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

\* This certificate may only be reproduced in its entirety.

**Certificate No. WM 74615**

**Issued:** 22<sup>nd</sup> July 2020  
**Expires:** 16<sup>th</sup> July 2023

**Originally Certified:** 16<sup>th</sup> July 2015  
**Current Certification:** 22<sup>nd</sup> July 2020

**John PRASAD**

Director  
ApprovalMark International Pty Ltd  
20/33 Holbeche Road, Arndell Park 2148, Australia  
[www.approvalmark.com](http://www.approvalmark.com)



ApprovalMark



# SECTION 9.

## CRIMP WATER INSTALLATION INSTRUCTIONS

The following instructions explain the correct installation procedure for Robusto PEX Slide sleeve fittings in conjunction with Robusto PEX pipe.



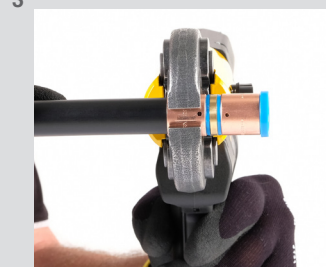
With a set of pipe cutters /shears cut the pipe at 90° ensuring the pipe is square on the end.



Push fitting onto pipe until pipe is visible through the viewing port on copper ring. This ensures that pipe has been inserted to the correct depth.



Position tool so that the jaws of the tool are in the centre of the copper ring.



Proceed to crimp the fitting until jaws of tool are completely closed.



Once crimp is complete test with gauge. Gauge will slide over copper ring if it has been done correctly.



At completion of installation a pressure test must be carried out in accordance with AS/NZS 3500 and or any other requirements specified by local authorities.

# SECTION 9.

## CRIMP WATER INSTALLATION INSTRUCTIONS



Battery Crimping Tool



Manual Crimping Tool

# SECTION 10.

## 50 YEAR PRODUCT WARRANTY



Robusto Pex pipe and fittings are guaranteed against manufacturing defects for a period of 50 YEARS when installed and used in accordance of the Australian Plumbing code and or the LOCAL or STATE Authority and when installed by a licensed PLUMBER.

Robusto Pex PIPE complies with the standards as set out in AS/NZS2492:2007 Cross Linked polyethylene (PE-X) pipes for pressure applications. Robusto Pex FITTINGS comply to the standards as set out in AS/NZS 2537.2:2011 - Mechanical jointed fittings for use with cross linked polyethylene pipe (XLPE) for hot and cold applications.

The policy covers public and products liability of \$50,000,000 per Occurrence and in the aggregate (as applicable), in accordance with the Policy terms and conditions.

This warranty covers Crimp Water by Robusto Plumbing Systems. The warranty is void where the installer does not use Robusto Plumbing Systems fittings and pipe together.

\*This warranty only applies to installations whereby a document can be provided detailing that the installation has been pressure tested to AS/NZS 3500 at completion of installation.



# SECTION 11. INSURANCE CERTIFICATE



Allianz Australia Insurance Limited

## General & Products Liability Insurance Certificate of Currency

This Certificate of Currency has been issued by Allianz Australia Insurance Limited and confirms that on the Date of Issue the Policy is current for the Period of Insurance and Limit of Liability as shown herein. This Certificate of Currency is issued as a matter of information only and confers no rights upon its holder.

This Certificate of Currency does not form part of the terms and conditions of the Policy and does not amend, extend, replace or alter the terms, conditions, definitions, limitations and exceptions noted therein.

This Certificate of Currency is provided as a summary only of the cover provided and is current only at the Date of Issue. The Policy may be subsequently altered or cancelled in accordance with its terms after the Date of Issue of this notice without further notice to the holder of this notice.

Certain words used in this document and the Policy have special meanings. The Definitions section of the Policy document contains such terms. Please read the Policy wording, the Schedule and any other documents that form part of the Policy for the terms and conditions of cover.

<b>NAMED INSURED:</b>	Forza Global Pty Ltd
<b>POLICY NUMBER:</b>	22-0127810-LCP
<b>PERIOD OF INSURANCE:</b>	22 <sup>nd</sup> January 2024 to 4pm 22 <sup>nd</sup> January 2025
<b>LIMIT OF LIABILITY:</b>	\$50,000,000 per Occurrence or per Occurrence and in the aggregate (as applicable), in accordance with the Policy terms and conditions
<b>POLICY WORDING:</b>	Allianz Public & Products Liability POL106BA 10/23
<b>POLICY TERRITORY:</b>	Anywhere in the world (subject to limitations of the Policy)

Andrew Covell  
NSW Senior Liability Underwriter

Date of Issue: Issued on 15<sup>th</sup> February 2024 for and on behalf of Allianz Australia Insurance Limited

## SECTION 12.

# FREQUENTLY ASKED QUESTIONS

Q. Can you rotate a Robusto Crimp Water fitting once installed?

A. No, once pressed, it cannot be rotated.

Q. Can Robusto Crimp Water be dismantled and reused? A. No, this is a permanent installation.

Q. What is the warranty on Robusto Water Crimp?.

A. The product has a 50 year limited warranty when in-stalled and used in accordance of the Australian Plumb-ing code and or the LOCAL or STATE Authority.

Q. Are there any storage issues?

A. Fittings should be stored in a cool dry place in their original packaging. This protects the fittings from con-tamination, damage and dirt.

Q. Do I use Robusto's recommended tooling?

A. Our tools are designed for use on our systems to ensure the system is warranted. Other approved brand tools may be used should they meet our standards. Check with Robusto Plumbing systems to make sure you are cov-ered.

Q. How is the Robusto Crimp Water system installed?

A. You can check how each system is installed by view-ing the installation guides available from the downloads tab on the home page.

Q. Can you press a fitting more than once?

A. No, Robusto Crimp Water can be pressed only once.





**ROBUSTO PLUMBING SYSTEMS**  
**WWW.ROBUSTO.COM.AU**