



**SPECIFICATIONS &
INSTALLATION GUIDE**

ANOTHER QUALITY
PRODUCT BY
FORZA GLOBAL

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 FORZA GLOBAL, 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.
- Fittings are solvent resistant and can confidently be exposed to petroleum based products.
- UV Resistant to handle the harsh Australian conditions.
- Warehoused in Australia by FORZA GLOBAL assuring availability of supply across the range.

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





FORZA GLOBAL are the manufacturers and distributors of FORZA PE-Xa PIPING Systems which includes the BRASS SLIDE SLEEVE COMPRESSION system for potable water, rainwater and recycled water.

FORZA GLOBAL also manufacture and distribute FORZA HDPE / AL /PEX GAS System, FORZA PE-Xa BRASS CRIMP system. This manual provides specification and installation information for the FORZA Plumbing Systems for Hot and Cold Water.

FORZA FOR POTABLE WATER, RAINWATER AND RECYCLED WATER SIMPLE, SAFE, SECURE

The FORZA Plumbing System comprises of three components; a flexible cross linked high density polyethylene pipe, solid forged DR brass compression fittings and special compression sleeve 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 FORZA 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. FORZA is suitable for domestic and commercial applications.

FORZA 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 FORZA compression sleeve connection eliminates leakages and system failures when installed following installation guidelines. With specially designed tools, FORZA Plumbing Systems are suitable for installation by licensed plumbers.

FORZA's simple joint method involves slipping the compression sleeve on the pipe followed by expanding the pipe end. The barbed end of the brass fitting is then inserted into the expanded pipe and the sleeve is compressed over the pipe using the specialised AXIAL compression tool.

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

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
-

COMPRESSION SLEEVE TOOLS

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

WARRANTY

FORZA 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

FORZA 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.74616) and AS 2537:2-2011 for fittings (Lic. No. 74615).

TEST PROCEDURE 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



PRESSURE LOSS TABLES FOR PN20 PE-X_a 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



FORZA 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
40MM	5M LENGTHS
50MM	5M LENGTHS

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
DN 40-40MM	40.0	40.4	5.5	6.2
DN 50-50MM	50.0	50.5	6.9	7.7

PRESSURE RATINGS

Pipes for water applications are classified in terms of the nominal pressure rating (PN) at water service temperature of 20°C. FORZA 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



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: 1st July 2019

Expires: 1st July 2024

Originally Certified: 1st July 2019

Current Certification: 1st July 2019



John PRASAD

Director
ApprovalMark International Pty Ltd
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ApprovalMark

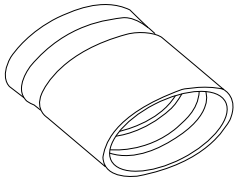


ApprovalMark Certification

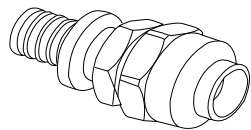


WaterMark

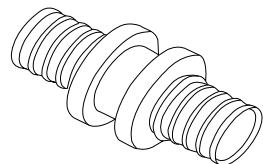
FORZA SLIDE RING FITTINGS LIST



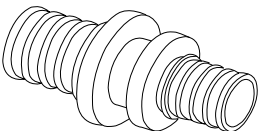
CODE	SIZE	DESCRIPTION
FPCS16	DN16	FORZA PEX COMPRESSION SLEEVE 16MM
FPCS20	DN20	FORZA PEX COMPRESSION SLEEVE 20MM
FPCS25	DN25	FORZA PEX COMPRESSION SLEEVE 25MM
FPCS32	DN32	FORZA PEX COMPRESSION SLEEVE 32MM
FPCS40	DN40	FORZA PEX COMPRESSION SLEEVE 40MM
FPCS50	DN50	FORZA PEX COMPRESSION SLEEVE 50MM



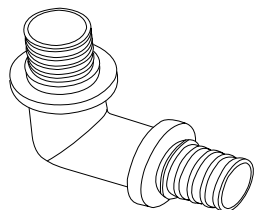
FPCU1615	DN16x1/2"	FORZA PEX FLARED COMPRESSION CONNECTOR 16MM X 1/2" COPPER
FPCU2020	DN20x3/4"	FORZA PEX FLARED COMPRESSION CONNECTOR 20MM X 3/4" COPPER



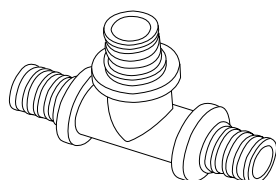
FPSC16	DN16	FORZA PEX NO.1 STRAIGHT COUPLING 16MM
FPSC20	DN20	FORZA PEX NO.1 STRAIGHT COUPLING 20MM
FPSC25	DN25	FORZA PEX NO.1 STRAIGHT COUPLING 25MM
FPSC32	DN32	FORZA PEX NO.1 STRAIGHT COUPLING 32MM
FPSC40	DN40	FORZA PEX NO.1 STRAIGHT COUPLING 40MM
FPSC50	DN50	FORZA PEX NO.1 STRAIGHT COUPLING 50MM



FPRC2016	DN20-16	FORZA PEX NO.1 REDUCING COUPLING 20MM X 16MM
FPRC2516	DN25-16	FORZA PEX NO.1 REDUCING COUPLING 25MM X 16MM
FPRC2520	DN25-20	FORZA PEX NO.1 REDUCING COUPLING 25MM X 20MM
FPRC3225	DN32-25	FORZA PEX NO.1 REDUCING COUPLING 32MM X 25MM
FPRC4020	DN40-20	FORZA PEX NO.1 REDUCING COUPLING 40MM X 20MM
FPRC4025	DN40-25	FORZA PEX NO.1 REDUCING COUPLING 40MM X 25MM
FPRC4032	DN40-32	FORZA PEX NO.1 REDUCING COUPLING 40MM X 32MM
FPRC5032	DN50-32	FORZA PEX NO.1 REDUCING COUPLING 50MM X 32MM
FPRC5040	DN50-40	FORZA PEX NO.1 REDUCING COUPLING 50MM X 40MM

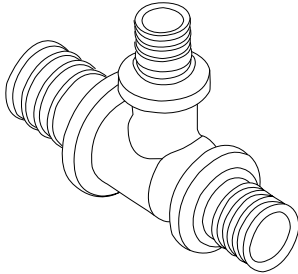


FPE16	DN16	FORZA PEX NO.12 EQUAL ELBOW 16MM
FPE20	DN20	FORZA PEX NO.12 EQUAL ELBOW 20MM
FPE25	DN25	FORZA PEX NO.12 EQUAL ELBOW 25MM
FPE32	DN32	FORZA PEX NO.12 EQUAL ELBOW 32MM
FPE40	DN40	FORZA PEX NO.12 EQUAL ELBOW 40MM
FPE50	DN50	FORZA PEX NO.12 EQUAL ELBOW 50MM

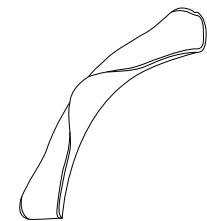


FPET16	DN16	FORZA PEX NO.24 EQUAL TEE 16MM
FPET20	DN20	FORZA PEX NO.24 EQUAL TEE 20MM
FPET25	DN25	FORZA PEX NO.24 EQUAL TEE 25MM
FPET32	DN32	FORZA PEX NO.24 EQUAL TEE 32MM
FPET40	DN40	FORZA PEX NO.24 EQUAL TEE 40MM
FPET50	DN50	FORZA PEX NO.24 EQUAL TEE 50MM

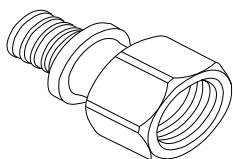
FORZA SLIDE RING FITTINGS LIST



CODE	SIZE	DESCRIPTION
BRANCH REDUCING TEE		
FPRT202016	DN20×20×16	FORZA PEX NO.25 REDUCING TEE 20MM X 20MM X 16MM
FPRT252516	DN25×25×16	FORZA PEX NO.25 REDUCING TEE 25MM X 25MM X 16MM
FPRT252520	DN25×25×20	FORZA PEX NO.25 REDUCING TEE 25MM X 25MM X 20MM
FPRT323220	DN32X32X20	FORZA PEX NO.25 REDUCING TEE 32MM X 32MM X 20MM
FPRT323225	DN32×32×25	FORZA PEX NO.25 REDUCING TEE 32MM X 32MM X 25MM
FPRT404020	DN40X40X20	FORZA PEX NO.25 REDUCING TEE 40MM X 40MM X 20MM
FPRT404025	DN40X40X25	FORZA PEX NO.25 REDUCING TEE 40MM X 40MM X 25MM
FPRT404032	DN40X40X32	FORZA PEX NO.25 REDUCING TEE 40MM X 40MM X 32MM
FPRT505020	DN50X50X20	FORZA PEX NO.25 REDUCING TEE 50MM X 50MM X 20MM
FPRT505025	DN50X50X25	FORZA PEX NO.25 REDUCING TEE 50MM X 50MM X 25MM
FPRT505032	DN50X50X32	FORZA PEX NO.25 REDUCING TEE 50MM X 50MM X 32MM
FPRT505040	DN50X50X40	FORZA PEX NO.25 REDUCING TEE 50MM X 50MM X 40MM
END REDUCING TEE		
FPRT201620	DN20×16×20	FORZA PEX NO.26 REDUCING TEE 20MM X 16MM X 20MM
FPRT251625	DN25×16×25	FORZA PEX NO.26 REDUCING TEE 25MM X 16MM X 25MM
FPRT252025	DN25×20×25	FORZA PEX NO.26 REDUCING TEE 25MM X 20MM X 25MM
END AND BRANCH REDUCING TEE		
FPRT201616	DN20×16×16	FORZA PEX NO.27 REDUCING TEE 20MM X 16MM X 16MM
FPRT252020	DN25×20×20	FORZA PEX NO.27 REDUCING TEE 25MM X 20MM X 20MM
FPRT322525	DN32×25×25	FORZA PEX NO.27 REDUCING TEE 32MM X 25MM X 25MM
FPRT251616	DN25×16×16	FORZA PEX NO.27 REDUCING TEE 25MM X 16MM X 16MM
FPRT252016	DN25×20×16	FORZA PEX NO.27 REDUCING TEE 25MM X 20MM X 16MM
FPRT251620	DN25×16×20	FORZA PEX NO.27 REDUCING TEE 25MM X 16MM X 20MM
FPRT403232	DN40X32X32	FORZA PEX NO.27 REDUCING TEE 40MM X 32MM X 32MM
FPRT504032	DN50X40X32	FORZA PEX NO.27 REDUCING TEE 50MM X 40MM X 32MM
BOTH ENDS REDUCING TEE		
FPRT161620	DN16X16X20	FORZA PEX NO.28 REDUCING TEE 16MM X 16MM X 20MM

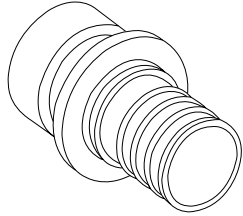


CODE	SIZE	DESCRIPTION
FPBS90D16	DN16	FORZA PEX 16MM X 90 DEG SUPPORT BEND
FPBS90D20	DN20	FORZA PEX 20MM X 90 DEG SUPPORT BEND
FPBS90D25	DN25	FORZA PEX 25MM X 90 DEG SUPPORT BEND

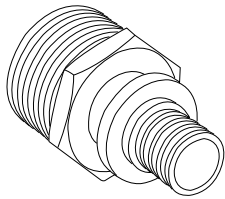


FPFSC1615	DN16×1/2"FI	FORZA PEX NO.2 STRAIGHT CONNECTOR 16MM X 1/2" BSP FEMALE
FPFSC2015	DN20×1/2"FI	FORZA PEX NO.2 STRAIGHT CONNECTOR 20MM X 1/2" BSP FEMALE
FPFSC2020	DN20×3/4"FI	FORZA PEX NO.2 STRAIGHT CONNECTOR 20MM X 3/4" BSP FEMALE

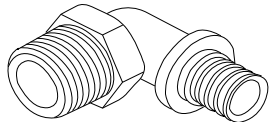
FORZA SLIDE RING FITTINGS LIST



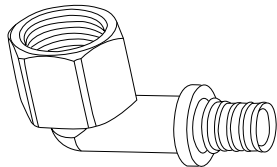
CODE	SIZE	DESCRIPTION
FPCB16	DN16	FORZA PEX CONNECTING BARB 16MM
FPCB20	DN20	FORZA PEX CONNECTING BARB 20MM
FPCB25	DN25	FORZA PEX CONNECTING BARB 25MM
FPCB32	DN32	FORZA PEX CONNECTING BARB 32MM
FPCB16F	DN16	FORZA PEX CONNECTING BARB FEMALE 16MM
FPCB20F	DN20	FORZA PEX CONNECTING BARB FEMALE 20MM
FPCB25F	DN25	FORZA PEX CONNECTING BARB FEMALE 25MM



FPMSC1615	DN16×1/2"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 16MM X 1/2" BSP MALE
FPMSC1620	DN16×3/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 16MM X 3/4" BSP MALE
FPMSC2015	DN20×1/2"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 20MM X 1/2" BSP MALE
FPMSC2020	DN20×3/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 20MM X 3/4" BSP MALE
FPMSC2025	DN20×1"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 20MM X 1" BSP MALE
FPMSC2515	DN25×1/2"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 25MM X 1/2" BSP MALE
FPMSC2520	DN25×3/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 25MM X 3/4" BSP MALE
FPMSC2525	DN25×1"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 25MM X 1" BSP MALE
FPMSC3220	DN32×3/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 32MM X 3/4" BSP MALE
FPMSC3225	DN32×1"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 32MM X 1" BSP MALE
FPMSC4032	DN40X1-1/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 40MM X 1-1/4" BSP MALE
FPMSC5032	DN50X1-1/4"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 50MM X 1-1/4" BSP MALE
FPMSC5040	DN50X1-1/2"MI	FORZA PEX NO.3 STRAIGHT CONNECTOR 50MM X 1-1/2" BSP MALE

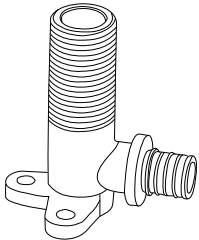


FPME1615	DN16×1/2"MI	FORZA PEX NO.13 ELBOW 16MM X 1/2" BSP MALE
FPME2015	DN20×1/2"MI	FORZA PEX NO.13 ELBOW 20MM X 1/2" BSP MALE
FPME2020	DN20×3/4"MI	FORZA PEX NO.13 ELBOW 20MM X 3/4" BSP MALE
FPME2520	DN25×3/4"MI	FORZA PEX NO.13 ELBOW 25MM X 3/4" BSP MALE

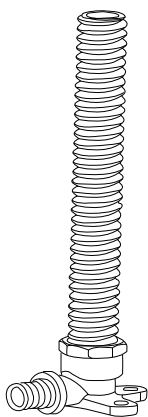


FPFE1615	DN16×1/2"FI	FORZA PEX NO.14 ELBOW 16MM X 1/2" BSP FEMALE
FPFE2015	DN20×1/2"FI	FORZA PEX NO.14 ELBOW 20MM X 1/2" BSP FEMALE
FPFE2020	DN20×3/4"FI	FORZA PEX NO.14 ELBOW 20MM X 3/4" BSP FEMALE

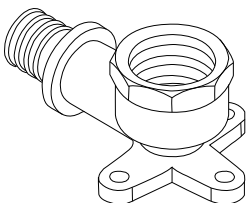
FORZA SLIDE RING FITTINGS LIST



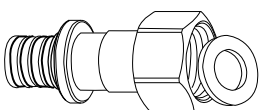
CODE	SIZE	DESCRIPTION
FPWM161565	DN16×1/2"MI-65	FORZA PEX NO.19BP LUGGED ELBOW 16MM X 1/2" BSP MALE 65MM LONG
FPWM161590	DN16×1/2"MI-90	FORZA PEX NO.19BP LUGGED ELBOW 16MM X 1/2" BSP MALE 90MM LONG
FPWM201595	DN20×1/2"MI-95	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 1/2" BSP MALE 95MM LONG
FPWM202095	DN20×3/4"MI-95	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 3/4" BSP MALE 95MM LONG



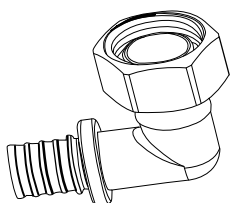
FPWM2020200	DN20×3/4"MI-200	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 3/4" BSP MALE 200MM LONG
FPWM1615150	DN16×1/2"MI-150	FORZA PEX NO.19BP LUGGED ELBOW 16MM X 1/2" BSP MALE 150MM LONG
FPWM1615200	DN16×1/2"MI-200	FORZA PEX NO.19BP LUGGED ELBOW 16MM X 1/2" BSP MALE 200MM LONG
FPWM2015200	DN20×1/2"MI-200	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 1/2" BSP MALE 200MM LONG
FPWM2020150	DN20×3/4"MI-150	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 3/4" BSP MALE 150MM LONG
FPWM2020180	DN20×3/4"MI-180	FORZA PEX NO.19BP LUGGED ELBOW 20MM X 3/4" BSP MALE 180MM LONG



FPWF1615	DN16×1/2"FI	FORZA PEX NO.15BP LUGGED ELBOW 16MM X 1/2" BSP FEMALE
FPWF2020	DN20×3/4"FI	FORZA PEX NO.15BP LUGGED ELBOW 20MM X 3/4" BSP FEMALE

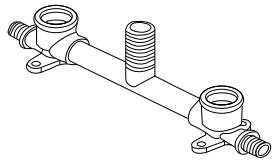


FPSTC1615	DN16×1/2"FI	FORZA PEX NO.62 STRAIGHT TAP CONNECTOR 16MM X 1/2" BSP FEMALE
FPSTC2020	DN20×3/4"FI	FORZA PEX NO.62 STRAIGHT TAP CONNECTOR 20MM X 3/4" BSP FEMALE

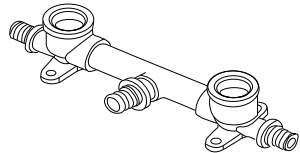


FPBTC1615	DN16×1/2"FI	FORZA PEX NO.63 BENT TAP CONNECTOR 16MM X 1/2" BSP FEMALE
FPBTC2020	DN20×3/4"FI	FORZA PEX NO.63 BENT TAP CONNECTOR 20MM X 3/4" BSP FEMALE

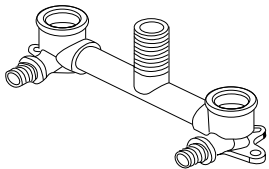
FORZA SLIDE RING FITTINGS LIST



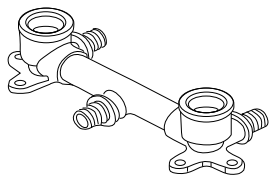
CODE	SIZE	DESCRIPTION
FPBLAS300	300MM	FORZA PEX BATH/LAUNDRY ASSEMBLY STRAIGHT 300MM



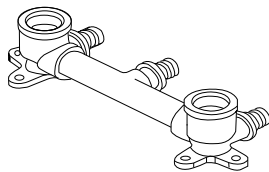
FPSAS150	150MM	FORZA PEX SHOWER ASSEMBLY STRAIGHT 150MM
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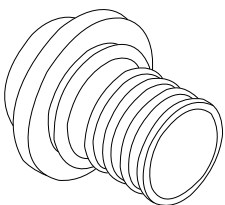
FPBLARA200	200MM	FORZA PEX BATH/LAUNDRY ASSEMBLY RIGHT ANGLE 200MM
FPBLARA300	300MM	FORZA PEX BATH/LAUNDRY ASSEMBLY RIGHT ANGLE 300MM



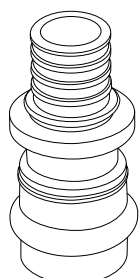
FPSARA150	150MM	FORZA PEX SHOWER ASSEMBLY RIGHT ANGLE 150MM
FPSARA200	200MM	FORZA PEX SHOWER ASSEMBLY RIGHT ANGLE 200MM



FPSARA150BU	150MM	FORZA PEX SHOWER ASSEMBLY RIGHT ANGLE BARBS UP 150MM
FPSARA200BU	200MM	FORZA PEX SHOWER ASSEMBLY RIGHT ANGLE BARBS UP 200MM



FPS16	DN16	FORZA PEX NO.61 STOPPER 16MM
FPS20	DN20	FORZA PEX NO.61 STOPPER 20MM



FPCP1615	DN16X1/2" CU	FORZA PEX 16MM X COPPER PRESS 1/2"
FPCP2020	DN20X3/4" CU	FORZA PEX 20MM X COPPER PRESS 3/4"
FPCP2525	DN25X1" CU	FORZA PEX 25MM X COPPER PRESS 1"
FPCP3232	DN32X1"-1/4" CU	FORZA PEX 32MM X COPPER PRESS 1-1/4"



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: 22nd July 2020

Expires: 16th July 2023

Originally Certified: 16th July 2015

Current Certification: 22nd July 2020

John PRASAD

Director

ApprovalMark International Pty Ltd
20/33 Holbeche Road, Arndell Park 2148, Australia

www.approvalmark.com



WWW.JAS-ANZ.ORG/REGISTER



ApprovalMark

SLIDE SLEEVE INSTALLATION INSTRUCTIONS

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



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



Pick up sleeve and check that the bevelled end (shown in picture) faces towards the fitting.



Slide the sleeve over the pipe. Pipe is now ready to be expanded.



Choose the correct size expander head for the pipe being expanded. Pictured is the dual 16mm-20mm head suitable for both 16mm and 20mm pipe.

SLIDE SLEEVE INSTALLATION INSTRUCTIONS

5



Close the handles of the expander tool to expand the pipe

6



Open the handles and rotate the expander 30° then expand again. This ensures an even expansion of the inside pipe surface.

7



Fitting is now able to be inserted into pipe.

8



Push fitting into pipe until it reaches the stopper. The sleeve is now ready to be pulled over the pipe and fitting using the specially designed compression tool.

9



Place the sleeve and fitting between the jaws of the compression tool. Open and close the handles of the tool to draw the sleeve over the pipe and fitting.



10



Once the sleeve is touching the shoulder of the fitting the fitting process is complete.



SLIDE SLEEVE INSTALLATION INSTRUCTIONS

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.



Manual
Compression tool



Battery
Compression tool



Forza 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.



Forza Pex PIPE complies with the standards as set out in AS/NZS 2492:2007 Cross Linked polyethylene (PE-X) pipes for pressure applications.

Licence No. WM 74817

Forza 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.

Licence No. WM74615

a product by



Certificate of Currency

PUBLIC AND PRODUCTS LIABILITY POLICY

INSURED: Forza Global Pty Ltd

BUSINESS ACTIVITY: Import and wholesale of plumbing fixtures, pipes, valves and tools

POLICY NUMBER: BXLC-LIM-2018-002733

PERIOD OF INSURANCE: 22/01/20 to 22/01/21 At 4pm Local Time

LIMIT OF INDEMNITY:

	Limit	Excess
Public Liability	\$50,000,000 any one occurrence	\$2,500 each and every Claim (inclusive of costs and expenses)
Products Liability	\$50,000,000 any one occurrence and in the aggregate for all Injury or Damage occurring during the Period of Insurance	\$2,500 each and every Claim (inclusive of costs and expenses)
Special Excess	\$25,000 each and every occurrence (inclusive of costs and expenses) in respect of Injury to Contractors, Sub-Contractors or Labour Hire Personnel	

Signed for and on behalf of XL Insurance Company SE, Australia branch (ABN 36 083 570 441), trading as Brooklyn Underwriting:



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