



Water Products for Plumbing

Two pipes are available for potable water reticulation, both utilize the SPK - Rifeng multipurpose DZR

PEX-b (Cross Linked Polyethylene)

Pex is a new generation of plastic pipe which is increasing in popularity because of the ease of install and the excellent performance and flexibility of the product.



- SPK - Rifeng Pex pipes have a service life in excess of 50 years
- SPK - Rifeng Pex pipes can resist temperatures of 95°C and short periods of + 100°C
- SPK - Rifeng Pex pipes have great flexibility making installation fast and easy
- SPK - Rifeng Pex pipes have good thermal and acoustic insulation properties
- SPK - Rifeng Pex pipes use the multipurpose DZR Water & Gas crimp fitting
- SPK - Rifeng Certified to Australian standards AS2492
- SPK - Rifeng Pex pipes carries a 25 year warranty

MLP Multilayer pipes

MLP pipes are a combination of plastic and metal technology and provide all the benefits of a metal pipe combined with the flexibility and ease of install of a plastic pipe. MLP pipes have a layer of aluminium inside a double layer of Pex, making the pipe extra strong, yet flexible.



- SPK - Rifeng MLP pipes have a service life in excess of 50 years
- SPK - Rifeng MLP pipes outperform any other plastic pipe for temperature and pressure
- SPK - Rifeng Pex pipes are flexible and can be bent by hand or tooling, but remain rigid until bent providing the installer with straight pipe runs and a professional appearance
- SPK - Rifeng MLP pipes have good thermal and acoustic insulation properties
- SPK - Rifeng MLP pipes use the multipurpose DZR Water & Gas crimp fitting
- SPK - Rifeng MLP pipes is Certified to Australian standards AS4176
- SPK - Rifeng MLP pipes carries a 25 year warranty

SPK - Rifeng DZR Multipurpose fittings

The SPK - Rifeng fittings are suitable for both Water and Gas and are made from high quality DZR Brass with a double O Ring system and Stainless Steel crimp ring. The multipurpose crimp fitting is a huge advantage for both the merchant and the installer as shelf and van stock are reduced and there is no risk in mixing dissimilar fittings.



- SPK - Rifeng DZR fittings are suitable for both potable water and gas
- SPK - Rifeng DZR fittings are Certified to Australian standards AS4176
- SPK - Rifeng DZR fittings are available in sizes 16mm to 32mm
- SPK - Rifeng nickel plated fittings for gas only are available in sizes 40mm to 50mm

* High temperature 120°C fittings are recommended for systems running continuously at over 75°C



Technical Data

	MLP* Water	Pex Water	MLP* Gas
Max Continuous Operating Temp (°C)	95	80	40
Max Working Pressure(kPa)			
16mm	1000	1000	400
20mm	1000	800	400
25mm	1000	—	400
32mm	1000	—	400
40mm	—	—	400
50mm	—	—	400
Max Bend Radius x Diameter (D)	4xD	4xD	4xD
Oxygen Permeability	Nil	—	Nil

* MLP = MultiLayer Pipe

Handling, Storage and Installation

- UV radiation can damage plastic pipes, do not allow SPK-Rifeng pipes to be exposed to direct sunlight either before or after installation
- Always protect pipes and fittings from damage either during transportation or storage, check pipes and fittings for damage before installation
- Ensure water quality is good and pH levels are between 6.5-8.5
- Pipe supports should comply with AS3500
- Always allow for expansion in all pipe runs and especially in hot water lines
- Do not clip the fittings only clip the pipe
- Protect pipes from freezing by insulation or draining the system when not in use
- Do not use Pex or MLP pipes on installations with uncontrolled heat sources such as Solar or wetbacks without a tempering valve
- All SPK - Rifeng pipes may be installed underground, in concrete or under buildings in a continuous run and without joints or fittings accordance with the building code
- Test SPK - Rifeng water systems at 1500kPa for 30 minutes, check crimps visually and after testing to ensure crimps are complete and no leaks have occurred. Crimps should also be checked with a go-no-go gauge
- Flush pipes so they are clean and ready for use



DZR Fittings for Water & Gas Applications 16-32mm

		PACK SIZE
MULTILAYER FOR WATER (WHITE)		
RW1650	RIFENG WATER PIPE 16MM X 50MTR COIL	1
RW2050	RIFENG WATER PIPE 20MM X 50MTR COIL	1
RW2550	RIFENG WATER PIPE 25MM X 50MTR COIL	1
RW3250	RIFENG WATER PIPE 32MM X 50MTR COIL	1
RW16-5M	RIFENG WATER PIPE 16MM X 5MTR LENGTH	10
RW20-5M	RIFENG WATER PIPE 20MM X 5MTR LENGTH	10
PEX PIPE FOR WATER (BLACK)		
RPEX16100	RIFENG WATER PEX PIPE 16MM X 100MTR COIL	1
RPEX20100	RIFENG WATER PEX PIPE 20MM X 100MTR COIL	1
RPEX16L5	RIFENG WATER PEX PIPE 16MM X 5MTR STRAIGHT	1
RPEX20L5	RIFENG WATER PEX PIPE 20MM X 5MTR STRAIGHT	1
DZR WATERMARK APPROVED FITTINGS FOR MLP OR PEX PIPES COUPLINGS		
RWSC16	RIFENG STRAIGHT COUPLING 16MM DZR	45
RWSC20	RIFENG STRAIGHT COUPLING 20MM DZR	30
RWSC25	RIFENG STRAIGHT COUPLING 25MM DZR	16
RWSC32	RIFENG STRAIGHT COUPLING 32MM DZR	
REDUCING COUPLING		
RWRC2016	RIFENG REDUCING COUPLING 20-16MM DZR	37
RWRC2516	RIFENG REDUCING COUPLING 25-16MM DZR	20
RWRC2520	RIFENG REDUCING COUPLING 25-20MM DZR	20
RWRC3225	RIFENG REDUCING COUPLING 32-25MM DZR	20
ELBOW		
RWE16	RIFENG ELBOW 16MM DZR	32
RWE20	RIFENG ELBOW 20MM DZR	22
RWE25	RIFENG ELBOW 25MM DZR	11
RWE32	RIFENG ELBOW 32MM DZR	
TEE		
RWT16	RIFENG TEE 16MM DZR	20
RWT20	RIFENG TEE 20MM DZR	14
RWT25	RIFENG TEE 25MM DZR	
RWT32	RIFENG TEE 32MM DZR	6
TEE - REDUCING (END/BRANCH/END)		
RWRT2016	RIFENG REDUCING TEE 20/16/20MM DZR	14
RWRT202016	RIFENG REDUCING TEE 20/20/16MM DZR	
RWRT201616	RIFENG REDUCING TEE 20/16/16MM DZR	
RWRT2516	RIFENG REDUCING TEE 25/16/25MM DZR	8
RWRT251616	RIFENG REDUCING TEE 25/16/16MM DZR	
RWRT2520	RIFENG REDUCING TEE 25/20/25MM DZR	8
RWRT252020	RIFENG REDUCING TEE 25/20/20MM DZR	
RWRT252520	RIFENG REDUCING TEE 25/25/20MM DZR	
RWRT3225	RIFENG REDUCING TEE 32/25/32MM DZR	
WINGBACK - MALE & FEMALE		
RWFWBE1615	RIFENG FEMALE W/BACK ELBOW 16MM-1/2' DZR	14
RWFWBE1620	RIFENG FEMALE W/BACK ELBOW 16MM-3/4' DZR	14
RWFWBE2015	RIFENG FEMALE W/BACK ELBOW 20MM-1/2' DZR	12
RWFWBE2020	RIFENG FEMALE W/BACK ELBOW 20MM-3/4' DZR	
RWMWBE1615	RIFENG MALE W/BACK ELBOW 16MM-1/2' DZR -95MM LONG	10
RWMWBE2015	RIFENG MALE W/BACK ELBOW 20MM-1/2' DZR -100MM LONG	10
RWMWBE2020	RIFENG MALE W/BACK ELBOW 20MM-3/4' DZR -100MM LONG	10
HOSE PLATES - FEMALE		
RWHP1615	RIFENG HOSE PLATE 16MM X15MM FEMALE	
RWHP2020	RIFENG HOSE PLATE 20MM X20MM FEMALE	
SWIVEL STRAIGHT CONNECTOR		
RWFSC1615	RIFENG FEMALE-SWIVEL COUPLING 16MM-1/2' DZR	20
RWFSC2015	RIFENG FEMALE-SWIVEL COUPLING 20MM-1/2' DZR	20
RWFSC2020	RIFENG FEMALE-SWIVEL COUPLING 20MM-3/4' DZR	20
RWFSC2520	RIFENG FEMALE-SWIVEL COUPLING 25MM-3/4' DZR	15
RWFSC2525	RIFENG FEMALE-SWIVEL COUPLING 25MM-1' DZR	10
RWFSC3232	RIFENG FEMALE-SWIVEL COUPLING 32MM-1-1/4' DZR	
SWIVEL ELBOW		
RWSE1615	RIFENG SWIVEL ELBOW 16MM -1/2' DZR	10
RWSE2020	RIFENG SWIVEL ELBOW 20MM -3/4' DZR	
FEMALE COUPLING		
RWFC1615	RIFENG FEMALE COUPLING 16MM-1/2' DZR	40
RWFC2015	RIFENG FEMALE COUPLING 20MM-1/2' DZR	35
RWFC2020	RIFENG FEMALE COUPLING 20MM-3/4' DZR	30
RWFC2520	RIFENG FEMALE COUPLING 25MM-3/4' DZR	20



DZR Fittings for Water & Gas Applications 16-32mm

		PACK SIZE
MALE COUPLING		
RWMC1615	RIFENG MALE COUPLING 16MM-1/2' DZR	50
RWMC2015	RIFENG MALE COUPLING 20MM-1/2' DZR	40
RWMC2020	RIFENG MALE COUPLING 20MM-3/4' DZR	35
RWMC2515	RIFENG MALE COUPLING 25MM-1/2' DZR	20
RWMC2520	RIFENG MALE COUPLING 25MM-3/4' DZR	18
RWMC2525	RIFENG MALE COUPLING 25MM-1' DZR	10
RWMC3225	RIFENG MALE COUPLING 32MM-1' DZR	
RWMC3232	RIFENG MALE COUPLING 32MM-1-1/4' DZR	
FEMALE ELBOW		
RWFE1615	RIFENG FEMALE ELBOW 16MM - 1/2' DZR	30
RWFE2015	RIFENG FEMALE ELBOW 20MM - 1/2' DZR	22
MALE ELBOW		
RWME1616	RIFENG FEMALE ELBOW 16MM - 1/2' DZR	
RWME2020	RIFENG FEMALE ELBOW 20MM - 3/4' DZR	
END CAP		
RWC15	RIFENG END CAP 16MM DZR	50
RWC20	RIFENG END CAP 20MM DZR	40
RWC25	RIFENG END CAP 25MM DZR	30
RC32	RIFENG END CAP 32MM DZR	3
COPPER TAILS - 300MM LONG - SEALED		
RCSA16CU3/8'TAIL	RIFENG COPPER S/ADAPT 16MM X 9.52MM CU TAIL	10
RCSA16CU1/2'TAIL	RIFENG COPPER S/ADAPT 16MM X 12.7MM CU TAIL	10
RCSA16CU15TAIL	RIFENG COPPER S/ADAPT 16MM X 15 CU TAIL	10
RCSA20CU15TAIL	RIFENG COPPER S/ADAPT 20MM X 15 CU TAIL	10
RCSA20CU20TAIL	RIFENG COPPER S/ADAPT 20MM X 20 CU TAIL	10
RCSA25CU15TAIL	RIFENG COPPER S/ADAPT 25MM X 15 CU TAIL	10
RCSA25CU20TAIL	RIFENG COPPER S/ADAPT 25MM X 20 CU TAIL	10
RCSA25CU25TAIL	RIFENG COPPER S/ADAPT 25MM X 25 CU TAIL	10
SUPPORT BEND FOR PEX PIPE		
RPEXS16	RIFENG GALV BEND SUPPORT FOR PEX PIPE 16MM	40
RPEXS20	RIFENG GALV BEND SUPPORT FOR PEX PIPE 20MM	25
PIPE CLIPS		
RCP16	RIFENG PIPE CLIPS WITH NAIL 16MM	100
RCP20	RIFENG PIPE CLIPS WITH NAIL 20MM	80
TOOLS REAMERS		
RPR1625	RIFENG PLASTIC REAMER 16-25MM	1
RPR2032	RIFENG PLASTIC REAMER 20-32MM	1
RJD-3240	RIFENG LENGTHENED T-REAMER 40MM	1
RJD-4150	RIFENG LENGTHENED T-REAMER 50MM	1
MANUAL CRIMPERS 16-20MM		
RMCT16	RIFENG NEW STYLE CRIMPING TOOL 16MM - BLUE HANDLE	1
RMCT20	RIFENG NEW STYLE CRIMPING TOOL 20MM - BLUE HANDLE	1
MANUAL CRIMPERS 16-32MM		
RSYQ14-32A	RIFENG LENGTHENED MAN PRESS TOOL 16-32MM	1
RYYQB-1216II	RIFENG HEAD INSERT - LENGTHENED P/HEAD 16MM	1
RYYQB-1620II	RIFENG HEAD INSERT - LENGTHENED P/HEAD 20MM	1
RYYQB-2025II	RIFENG HEAD INSERT - LENGTHENED P/HEAD 25MM	1

REMS MINI PRESS TOOLS 16MM - 32MM



A FULL RANGE OF REMS BATTERY TOOLING IS AVAILABLE ON REQUEST, REMS MINI TOOLS CRIMP SIZES 16MM - 32MM

REMS AKKU TOOLS ARE REQUIRED FOR 40MM AND OVER.

MANUAL TOOLS 16MM - 20MM



MANUAL TOOLS ARE AVAILABLE ALSO



Installation Instructions

Instructions apply to all SPK-Rifeng pipe installations for Gas MLP, Water MLP and Pex Pipes



Step 1 : Pipe cutting

Cut the pipe square and accurately with a pipe cutter



Step 2 : Rounding and beveling

Proper beveling is extremely important as it ensures the O Rings are protected and do not catch on the edge of the pipe. The beveling tool will also round the pipe to easy insertion.



Step 3 : Inserting

Choose the desired fitting and insert the pipe squarely and smoothly into the fitting, a $\frac{1}{4}$ turn twisting action can be utilized. Insert pipe until the pipe is visible through the inspection holes in the base of the crimp ring.



Step 4 : Pressing

Crimping may be completed with either an approved manual tool or battery tool. Select the correct size jaw and tool. Place the jaws around the fitting with the edge of the jaw touching the plastic crimp ring holder. Depress manual tool handles until the handle touch points are closed. If using a battery tool, please ensure the tool is properly charged and depress the trigger until the jaws are completely closed or the tool auto releases.



Manual Tools are available for sizes 16mm–32mm

Mini Battery Tools are available for sizes 16mm–32mm

Larger battery tools are available for sizes 16mm–50mm