



PLASTIC SYSTEMS



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PVC PIPES

Pressure

Non-Pressure

PVC PIPELINE SYSTEMS

TECHNICAL SPECIFICATIONS

PVC-U DWV PIPE

The use of PVC-U piping in Europe and North America for drain, waste and vent applications dates back to the 1950's. Today PVC-U DWV piping is the material of choice mainly due to its durability, safety, ease of installation, cost-effectiveness and environmental soundness.

Applicable manufacturing standard:
AS/NZS 1260 - PVC-U pipes and fittings for drain, waste and vent applications.

PVC-U PIPE

As a material, PVC-U was initially developed in the 1930's. It's use in pressure pipelines dates back to the 1950's in Europe and has been used in Australia since the 1960's.

Applicable manufacturing standard:
AS/NZS 1477 PVC pipes and fittings for pressure applications.

PVC-M PIPE

The use of PVC-M pressure pipelines in Australia has been a recent occurrence. Viadux Supplied pressure pipes have been developed to provide a tougher and more ductile pipe.

The PVC material used in Viadux Supplied pipe is an alloy that combines the tough ductile characteristics of PE with the high strength characteristics of PVC-U.

Applicable manufacturing standard:
AS/NZS 4765 Modified PVC (PVC-M) pipes for pressure applications.

PVC-O PIPE

The use of PVC-O pressure pipelines in Australia has been a recent occurrence. PVC-O is manufactured by molecular orientation of traditional PVC-U pipe materials resulting in a robust pipe, resistant to impact damage and brittle failure, and with improved hoop strength.

Applicable manufacturing standard:
AS/NZS 4441 - Oriented PVC (PVC-O) pipes for pressure applications.

APPLICATIONS

- Irrigation
- Mechanical services
- Water distribution – potable & reuse
- Plumbing
- Sewer

ADVANTAGES

- Corrosion resistance
- Chemical resistance
- Smooth bore
- Ease of installation

MATERIAL

All Viadux Supplied PVC pipes are lead free.

JOINTING

- The PVC-U pipe range may be joined by means of either 'Cold Solvent Welding' or 'Rubber Ring Jointing'.
- The PVC-M and PVC-O pipe range may be joined using only 'Rubber Ring Jointing'.

QUALITY ASSURANCE

Viadux Supplied PVC pipes are manufactured in certified manufacturing facilities under the approval of AS/NZS ISO 9001 - Quality Management Systems – Requirements.



MANUFACTURING STANDARDS

Manufactured in accordance with the relevant Australian Standards:
AS/NZS 1254 -PVC pipes and fittings for stormwater and surface water applications.
AS/NZS 1260 - PVC-U pipes and fittings for drain, waste and vent applications;
AS/NZS 1477 - PVC pipes and fittings for pressure applications;
AS/NZS 2053 Conduits and fittings for electrical installations General requirements;
AS/NZS 4765 - Modified PVC (PVC-M) pipes for pressure applications.
AS/NZS 4441 - Oriented PVC (PVC-O) pipes for pressure applications;
AS/NZS 4020 - Testing of products for use in contact with drinking water

- StandardsMark certified

- WSAA appraised: Product Appraisal.



PRESSURE PIPES

PVC PRESSURE PIPES

PRESSURE PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS

PVC-U SERIES 1 PIPE

NOMINAL SIZE	MEAN OD	MEAN ID. MM			
DN	MM	PN6	PN9	PN12	PN18
15	21.4	–	–	–	17.8
20	26.8	–	–	23.7	22.4
25	33.6	–	30.5	29.8	28.1
32	42.3	–	38.5	37.5	35.4
40	48.3	45.2	44.1	42.8	40.5
50	60.4	56.8	55.2	53.7	50.5
80	88.9	83.7	81.3	79.0	74.6
100	114.3	107.8	104.6	101.7	96.0
125	140.2	132.2	128.4	124.9	117.7
150	160.3	151.3	146.9	142.7	134.7
175	200.3	190.1	185.2	180.6	171.5
200	225.3	213.8	208.5	203.1	192.9
225	250.4	237.7	231.7	225.8	–
250	280.4	266.2	259.4	252.9	–
300	315.5	299.5	292.0	284.5	–
375	400.5	380.3	370.7	361.2	–
450	500.5	475.3	463.3	451.4	–
575	630.5	598.8	583.6	568.8	–

PVC-M SERIES 1 PIPE

NOMINAL SIZE	MEAN OD	MEAN ID. MM			
DN	MM	PN6	PN9	PN12	PN18
100	114.3	108.4	107.5	105.6	101.7
150	160.3	152.4	150.9	148.4	142.8
200	225.3	214.4	212.5	208.6	200.9
225	250.3	238.2	236.3	232.0	223.4
250	280.4	267.0	264.4	259.9	250.4
300	315.5	300.5	298.0	292.4	281.6
375	400.5	381.5	378.2	371.4	–
450	500.5	476.9	472.9	464.3	–
575	630.5	601.1	596.0	585.0	–

PVC PRESSURE PIPES

PRESSURE PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS

PVC-M SERIES 2 PIPE

NOMINAL SIZE	MEAN OD	MEAN ID. MM			
DN	MM	PN12	PN16	PN18	PN20
100	121.9	112.5	109.7	108.4	107.2
150	177.4	164.2	160.1	158.1	156.2
200	232.3	215.2	209.8	207.2	204.6
225	259.3	244.3	234.2	231.4	228.6
250	286.2	265.2	258.8	255.6	252.3
300	345.3	320.1	312.4	308.5	304.6
375	426.2	395.1	385.5	–	–

PVC-O SERIES 2 PIPE

NOMINAL SIZE	MEAN OD	MEAN ID. MM		
DN	MM	PN 16	PN 18	PN 20
100	121.9	114.5	113.7	112.8
150	177.4	166.9	165.6	164.3
200	232.2	218.2	216.6	215
225	259.3	243.7	241.9	240
250	286.2	269.0	267	265
300	345.3	323.5	322.3	319.8
375	426.2	399.4	397.8	394.8
450	507	475.3	473.4	469.7



PVC-U PRESSURE PIPES

PVC-U PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC-U PIPE SERIES 1 PN6 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.6060.100	100	PVC-U PIPE S1 PN6 RRJ	60
R12.6060.150	150	PVC-U PIPE S1 PN6 RRJ	33
R12.6060.200	200	PVC-U PIPE S1 PN6 RRJ	12
R12.6060.225	225	PVC-U PIPE S1 PN6 RRJ	12
R12.6060.250	250	PVC-U PIPE S1 PN6 RRJ	11
R12.6060.300	300	PVC-U PIPE S1 PN6 RRJ	6
R12.6060.375	375	PVC-U PIPE S1 PN6 RRJ	6

Note: Refer to PVC-M tables for larger sizes

FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- High flow rate - smooth bore
- Light weight for easy installation
- All PVC pipes are lead free

GENERAL APPLICATION

The Viadux range of PVC pipes can be safely used in a wide range of applications including the conveyance of drinking water, recycled water and pressure sewer applications.

TECHNICAL DATA

Temperature Range

-0°C to +60°C

Joining Methods

Solvent weld joint & Rubber ring joint

Standards

AS/NZS 1477 - PVC pipes and fittings for pressure applications

Certified to AS/NZS 4020 - Suitable for contact with drinking water

Rubber ring seal.

PVC-U PIPE SERIES 1 PN9 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.6090.080	80	PVC-U PIPE S1 PN9 RRJ	104

PVC-U PIPE SERIES 1 PN12 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.6120.080	80	PVC-U PIPE S1 PN12 RRJ	104

PVC-U PRESSURE PIPES

PVC-U PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC-U PIPE SERIES 1 PN6 SWJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.5060.040	40	PVC-U PIPE S1 PN6 SWJ	280
R12.5060.050	50	PVC-U PIPE S1 PN6 SWJ	210
R12.5060.080	80	PVC-U PIPE S1 PN6 SWJ	104
R12.5060.100	100	PVC-U PIPE S1 PN6 SWJ	63
R12.5060.150	150	PVC-U PIPE S1 PN6 SWJ	33

PVC-U PIPE SERIES 1 PN9 SWJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.5090.040	40	PVC-U PIPE S1 PN9 SWJ	280
R12.5090.050	50	PVC-U PIPE S1 PN9 SWJ	210
R12.5090.080	80	PVC-U PIPE S1 PN9 SWJ	104
R12.5090.100	100	PVC-U PIPE S1 PN9 SWJ	63
R12.5090.125	125	PVC-U PIPE S1 PN9 SWJ	45
R12.5090.150	150	PVC-U PIPE S1 PN9 SWJ	33
R12.5090.175	175	PVC-U PIPE S1 PN9 SWJ	18
R12.5090.200	200	PVC-U PIPE S1 PN9 SWJ	12
R12.5090.225	225	PVC-U PIPE S1 PN9 SWJ	12
R12.5090.250	250	PVC-U PIPE S1 PN9 SWJ	11
R12.5090.300	300	PVC-U PIPE S1 PN9 SWJ	6
R12.5090.375	375	PVC-U PIPE S1 PN9 SWJ	6

FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- High Flow rate - smooth bore
- Light weight for easy installation
- All PVC pipes are lead free
- Elastomeric seal joints
- Solvent cement joints

GENERAL APPLICATION

The Viadux range of PVC pipes can be safely used in a wide range of applications including the conveyance of drinking water, recycled water and pressure sewer applications.

TECHNICAL DATA

Size Range

DN 15 - DN 575

Temperature Range

0°C to 60°C

Joining Methods

Solvent weld joint & Rubber ring joint

Standards

AS/NZS 1477 - PVC pipes and fittings for pressure applications

Certified to AS/NZS 4020 - Suitable for contact with drinking water.

PVC-U PRESSURE PIPES

PVC-U PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC-U PIPE SERIES 1 PN12 SWJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.5120.020	20	PVC-U PIPE S1 PN12 SWJ	770
R12.5120.025	25	PVC-U PIPE S1 PN12 SWJ	540
R12.5120.032	32	PVC-U PIPE S1 PN12 SWJ	300
R12.5120.040	40	PVC-U PIPE S1 PN12 SWJ	280
R12.5120.050	50	PVC-U PIPE S1 PN12 SWJ	198
R12.5120.065	65	PVC-U PIPE S1 PN12 SWJ	84
R12.5120.080	80	PVC-U PIPE S1 PN12 SWJ	104
R12.5120.100	100	PVC-U PIPE S1 PN12 SWJ	63
R12.5120.125	125	PVC-U PIPE S1 PN12 SWJ	45
R12.5120.150	150	PVC-U PIPE S1 PN12 SWJ	33
R12.5120.175	175	PVC-U PIPE S1 PN12 SWJ	22
R12.5120.200	200	PVC-U PIPE S1 PN12 SWJ	12
R12.5120.225	225	PVC-U PIPE S1 PN12 SWJ	12
R12.5120.250	250	PVC-U PIPE S1 PN12 SWJ	11
R12.5120.300	300	PVC-U PIPE S1 PN12 SWJ	6
R12.5120.375	375	PVC-U PIPE S1 PN12 SWJ	6

PVC-U PIPE SERIES 1 PN18 SWJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.5180.015	15	PVC-U PIPE S1 PN18 SWJ	760
R12.5180.020	20	PVC-U PIPE S1 PN18 SWJ	770
R12.5180.025	25	PVC-U PIPE S1 PN18 SWJ	540
R12.5180.032	32	PVC-U PIPE S1 PN18 SWJ	300
R12.5180.040	40	PVC-U PIPE S1 PN18 SWJ	160
R12.5180.050	50	PVC-U PIPE S1 PN18 SWJ	140
R12.5180.080	80	PVC-U PIPE S1 PN18 SWJ	64
R12.5180.100	100	PVC-U PIPE S1 PN18 SWJ	28
R12.5180.125	125	PVC-U PIPE S1 PN18 SWJ	28
R12.5180.150	150	PVC-U PIPE S1 PN18 SWJ	26

PVC-M PRESSURE PIPE SYSTEMS SERIES 1

PVC-M PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- High Flow rate - smooth bore
- Light weight for easy installation
- Elastomeric seal joints
- Available in 6 metre lengths
- All PVC pipes are lead free
- Available in purple for recycled water
- Available in cream for pressure sewage

GENERAL APPLICATION

The Viadux range of PVC pipes can be safely used in a wide range of applications including the conveyance of drinking water, recycled water and pressure sewer applications.

TECHNICAL DATA

Size Range

DN 100 - DN 575

Temperature Range

0°C to 60°C

Joining Methods

Rubber ring joint

Standards

AS/NZS 4765 - Modified PVC (PVC-M) pipe for pressure applications.

Certified to AS/NZS 4020 - Suitable for contact with drinking water.

PVC-M PIPE SERIES 1 PN6 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.8060.450	450	PVC-M PIPE S1 PN6 RRJ	2
R12.8060.575	575	PVC-M PIPE S1 PN6 RRJ	2

Note: Refer to PVC-U tables for smaller sizes

PVC-M PIPE SERIES 1 PN9 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.8090.100	100	PVC-M PIPE S1 PN9 RRJ	60
R12.8090.150	150	PVC-M PIPE S1 PN9 RRJ	33
R12.8090.200	200	PVC-M PIPE S1 PN9 RRJ	12
R12.8090.225	225	PVC-M PIPE S1 PN9 RRJ	12
R12.8090.250	250	PVC-M PIPE S1 PN9 RRJ	11
R12.8090.300	300	PVC-M PIPE S1 PN9 RRJ	6
R12.8090.375	375	PVC-M PIPE S1 PN9 RRJ	6

PVC-M PIPE SERIES 1 PN12 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.8120.100	100	PVC-M PIPE S1 PN12 RRJ	60
R12.8120.150	150	PVC-M PIPE S1 PN12 RRJ	33
R12.8120.200	200	PVC-M PIPE S1 PN12 RRJ	12
R12.8120.225	225	PVC-M PIPE S1 PN12 RRJ	12
R12.8120.250	250	PVC-M PIPE S1 PN12 RRJ	11
R12.8120.300	300	PVC-M PIPE S1 PN12 RRJ	6
R12.8120.375	375	PVC-M PIPE S1 PN12 RRJ	6
R12.8120.450	450	PVC-M PIPE S1 PN12 RRJ	2
R12.8120.575	575	PVC-M PIPE S1 PN12 RRJ	2

PVC-M PRESSURE PIPE SYSTEMS SERIES 2

PVC-M PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC-M PIPE SERIES 2 PN12 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.9120.100	100	PVC-M PIPE S2 PN12 RRJ	36
R12.9120.150	150	PVC-M PIPE S2 PN12 RRJ	18
R12.9120.200	200	PVC-M PIPE S2 PN12 RRJ	10
R12.9120.225	225	PVC-M PIPE S2 PN12 RRJ	12
R12.9120.250	250	PVC-M PIPE S2 PN12 RRJ	12
R12.9120.300	300	PVC-M PIPE S2 PN12 RRJ	6
R12.9120.375	375	PVC-M PIPE S2 PN12 RRJ	6
R12.9120.450	450	PVC-M PIPE S2 PN12 RRJ	2

FEATURES

- Corrosion resistant
- Chemical resistant
- High Flow rate - smooth bore
- Light weight for easy installation
- Elastomeric seal joints
- All PVC pipes are lead free
- Available in purple for recycled water
- Available in cream for pressure sewage

GENERAL APPLICATION

The Viadux range of PVC pipes can be safely used in a wide range of applications including the conveyance of drinking water, recycled water and pressure sewer applications.

TECHNICAL DATA

Size Range

DN 100 - DN 450

Temperature Range

0°C to 60°C

Joining Methods

Rubber ring joint

Standards

AS/NZS 4765 - Modified PVC (PVC-M) pipe for pressure applications

Certified to AS/NZS 4020 - Suitable for contact with drinking water.

PVC-M PIPE SERIES 2 PN16 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.9160.100	100	PVC-M PIPE S2 PN16 RRJ	36
R12.9160.150	150	PVC-M PIPE S2 PN16 RRJ	18
R12.9160.200	200	PVC-M PIPE S2 PN16 RRJ	10
R12.9160.225	225	PVC-M PIPE S2 PN16 RRJ	12
R12.9160.250	250	PVC-M PIPE S2 PN16 RRJ	12
R12.9160.300	300	PVC-M PIPE S2 PN16 RRJ	6
R12.9160.375	375	PVC-M PIPE S2 PN16 RRJ	6
R12.9160.450	450	PVC-M PIPE S2 PN16 RRJ	4

PVC-M PIPE SERIES 2 PN18 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.9180.100	100	PVC-M PIPE S2 PN18 RRJ	36
R12.9180.150	150	PVC-M PIPE S2 PN18 RRJ	18
R12.9180.200	200	PVC-M PIPE S2 PN18 RRJ	10
R12.9180.225	225	PVC-M PIPE S2 PN18 RRJ	12
R12.9180.250	250	PVC-M PIPE S2 PN18 RRJ	12
R12.9180.300	300	PVC-M PIPE S2 PN18 RRJ	6

PVC-M PIPE SERIES 2 PN20 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.9200.100	100	PVC-M PIPE S2 PN20 RRJ	36
R12.9200.150	150	PVC-M PIPE S2 PN20 RRJ	18
R12.9200.200	200	PVC-M PIPE S2 PN20 RRJ	10
R12.9200.225	225	PVC-M PIPE S2 PN20 RRJ	12
R12.9200.250	250	PVC-M PIPE S2 PN20 RRJ	12
R12.9200.300	300	PVC-M PIPE S2 PN20 RRJ	6

PVC-O PRESSURE PIPE SYSTEMS SERIES 2

PVC-O PIPES ARE DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC-O PIPE SERIES 2 PN16 RRJ

CODE	SIZE (MM)	DESCRIPTION	PACK
R12.7160.100	100	PVC-O PIPE S2 PN16 RRJ	36
R12.7160.150	150	PVC-O PIPE S2 PN16 RRJ	18
R12.7160.200	200	PVC-O PIPE S2 PN16 RRJ	10
R12.7160.225	225	PVC-O PIPE S2 PN16 RRJ	12
R12.7160.250	250	PVC-O PIPE S2 PN16 RRJ	12
R12.7160.300	300	PVC-O PIPE S2 PN16 RRJ	6
R12.7160.375	375	PVC-O PIPE S2 PN16 RRJ	4
R12.7160.450	450	PVC-O PIPE S2 PN16 RRJ	2

FEATURES

- Corrosion resistant
- Chemical resistant
- High Flow rate - smooth bore
- Light weight for easy installation
- Elastomeric seal joints
- All PVC pipes are lead free
- Available in purple for recycled water
- Available in cream for pressure sewage

GENERAL APPLICATION

The Viadux range of PVC pipes can be safely used in a wide range of applications including the conveyance of drinking water, recycled water and pressure sewer applications.

TECHNICAL DATA

Size Range

DN 100 - DN 450

Temperature Range

0°C to 60°C

Joining Methods

Rubber ring joint

Standards

AS/NZS 4441 - Oriented PVC (PVC-O) pipe for pressure applications

Certified to AS/NZS 4020 - Suitable for contact with drinking water.

NON PRESSURE PIPES

PVC NON-PRESSURE PIPES

PVC-U DWV NON-PRESSURE PIPE IS DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS

PVC-U DWV PIPE

NOMINAL SIZE DN	MEAN OD MM	MEAN ID. MM							
		SN4		SN6		SN8		SN10	
		RRJ	SWJ	RRJ	SWJ	RRJ	SWJ	RRJ	SWJ
100	110.2				✓				✓
150	160.3	✓	✓			✓	✓		
225	250.4	✓	✓			✓	✓		
300	315.5	✓	✓			✓	✓		
375	400.5	✓				✓			
475	500.5	✓				✓			

PVC-U STORMWATER PIPE

NOMINAL SIZE DN	MEAN OD MM	SN2	
		SWJ	
90	90	✓	
150	160.3	✓	
225	250.4	✓	
300	315.5	✓	
375	400.5	✓	

PVC-U NON-PRESSURE DWV PIPES

PVC-U DWV PIPE IS DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS



FEATURES

- Corrosion resistant
- Chemical resistant
- Non conductive
- High Flow rate - smooth bore
- Light weight for easy installation
- Elastomeric seal joints
- Solvent cement joints
- Available in 3 & 6 metre lengths
- Manufactured in a light grey for easy identification
- All PVC pipes are lead free

GENERAL APPLICATION

The Viadux range of DWV pipes and fittings are sustainable for Drain, Waste and Vent applications. The system is designed for use above or below ground although not when exposed to direct sunlight.

TECHNICAL DATA

Size Range

DN 100 - DN 375

Temperature Range

0°C to 60°C

Joining Methods

Solvent weld joint & Rubber ring joint

Standards

AS/NZS 1260 PVC-U Pipes and Fittings for drain, waste and vent applications.

DWV PIPE SWJ

CODE	SIZE (MM)	DESCRIPTION	LENGTH	BOX QTY	TYPE
R23.4080.150.3S	150	DWV (SC) PIPE SWJ - SN8	3m	28	SC
R23.4060.100.6S	100	DWV (SC) PIPE SWJ - SN6	6m	67	SC
R23.4040.150.6S	150	DWV (SC) PIPE SWJ - SN4	6m	33	SC
R23.4080.150.6S	150	DWV (SC) PIPE SWJ - SN8	6m	28	SC
R22.4100.100.3S	100	DWV PIPE SWJ - SN10	3m	67	SOLID
R22.4080.225.3S	225	DWV PIPE SWJ - SN8	3m	12	SOLID
R22.4080.300.3S	300	DWV PIPE SWJ - SN8	3m	6	SOLID
R22.4100.100.6S	100	DWV PIPE SWJ - SN10	6m	67	SOLID
R22.4040.225.6S	225	DWV PIPE SWJ - SN4	6m	12	SOLID
R22.4080.225.6S	225	DWV PIPE SWJ - SN8	6m	12	SOLID
R22.4040.300.6S	300	DWV PIPE SWJ - SN4	6m	6	SOLID
R22.4080.300.6S	300	DWV PIPE SWJ - SN8	6m	6	SOLID

DWV PIPE RRJ

CODE	SIZE (MM)	DESCRIPTION	LENGTH	BOX QTY	TYPE
R23.4080.150.3R	150	DWV (SC) PIPE RRJ - SN8	3m	28	SC
R23.4080.150.6R	150	DWV (SC) PIPE RRJ - SN8	6m	28	SC
R22.4080.225.3R	225	DWV PIPE RRJ - SN8	3m	12	SOLID
R22.4080.225.6R	225	DWV PIPE RRJ - SN8	6m	12	SOLID
R22.4080.300.3R	300	DWV PIPE RRJ - SN8	3m	6	SOLID
R22.4080.300.6R	300	DWV PIPE RRJ - SN8	6m	6	SOLID
R22.4080.375.3R	375	DWV PIPE RRJ - SN4	3m	6	SOLID
R22.4080.375.6R	375	DWV PIPE RRJ - SN4	6m	6	SOLID
R22.4080.150.3R	150	DWV PIPE RRJ - SN8	3m	28	SOLID

PVC-U NON-PRESSURE STORMWATER PIPE

PVC-U STORMWATER NON-PRESSURE PIPE IS DESIGNED AND MANUFACTURED TO AS/NZS STANDARDS



DWV PIPE RRJ

CODE	SIZE (MM)	DESCRIPTION	LENGTH	BOX QTY	TYPE
R12.STORM.090	90	PVC SWJ STORMWATER SN2 90MM	6m	81	SOLID
R12.STORM.160	150	PVC SWJ STORMWATER SN2 160MM	6m	28	SC
R12.STORM.225	225	PVC SWJ STORMWATER SN2 225MM	6m	12	SOLID
R12.STORM.315	315	PVC SWJ STORMWATER SN2 300MM	6m	12	SOLID
R12.STORM.375	375	PVC SWJ STORMWATER SN2 375MM	6m	6	SOLID

FEATURES

- Corrosion resistant
- Chemical resistant
- Non conductive
- High Flow rate - smooth bore
- Light weight for easy installation
- Solvent cement joints
- Available in 6 metre lengths
- All PVC pipes are lead free

GENERAL APPLICATION

The Viadux range of Stormwater pipes and fittings are sustainable for Stormwater applications. The system is designed for use above or below ground although not when exposed to direct sunlight.

TECHNICAL DATA

Size Range

DN 90 - DN 375

Temperature Range

0°C to 60°C

Joining Methods

Solvent weld joint

Standards

AS/NZS 1254 PVC-U Pipes and Fittings for stormwater and surface applications.

PVC FITTINGS

Pressure

Non-Pressure



PRESSURE FITTINGS

PVC-U PIPE FITTINGS

PVC-U FITTINGS ARE DESIGNED AND MANUFACTURED TO AS/NZS 1477 FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC COUPLING CAT 7

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.100.015	15	PVC COUPLING PN18 CAT 7	100	1200
R12.100.015	15	PVC COUPLING PN18 CAT 7	100	1200
R12.100.020	20	PVC COUPLING PN18 CAT 7	100	800
R12.100.025	25	PVC COUPLING PN18 CAT 7	50	400
R12.100.032	32	PVC COUPLING PN18 CAT 7	25	300
R12.100.040	40	PVC COUPLING PN18 CAT 7	25	200
R12.100.050	50	PVC COUPLING PN18 CAT 7	10	100
R12.100.065	65	PVC COUPLING PN18 CAT 7	1	48
R12.100.080	80	PVC COUPLING PN18 CAT 7	1	48
R12.100.100	100	PVC COUPLING PN18 CAT 7	1	36
R12.100.150	150	PVC COUPLING PN18 CAT 7	1	12
R12.100.200	200	PVC COUPLING PN10 CAT 7	1	4
R12.100.225	225	PVC COUPLING PN10 CAT 7 ¹	1	1
R12.100.250	250	PVC COUPLING PN10 CAT 7 ¹	1	1
R12.100.300	300	PVC COUPLING PN10 CAT 7 ¹	1	1
R12.100.375	375	PVC COUPLING PN6 CAT 7 ¹	1	1



PVC CAP CAT 6

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.140.015	15	PVC CAP PN18 CAT6	350	2100
R12.140.020	20	PVC CAP PN18 CAT6	200	1200
R12.140.025	25	PVC CAP PN18 CAT6	100	1000
R12.140.032	32	PVC CAP PN18 CAT6	75	450
R12.140.040	40	PVC CAP PN18 CAT6	50	300
R12.140.050	50	PVC CAP PN18 CAT6	25	200
R12.140.080	80	PVC CAP PN18 CAT6	1	140
R12.140.100	100	PVC CAP PN18 CAT6	1	60
R12.140.125	125	PVC CAP PN18 CAT6	1	60
R12.140.150	150	PVC CAP PN18 CAT6	1	24
R12.140.200	200	PVC CAP PN10 CAT6	1	24

¹ PVC-U fittings in grey to: ISO727
Heavy duty PVC cement must be used

PVC-U PIPE FITTINGS



PVC BSP THREADED CAP CAT 6

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.141.015	15	PVC CAP THD PN18 CAT 6	350	2100
R12.141.020	20	PVC CAP THD PN18 CAT 6	200	1200
R12.141.025	25	PVC CAP THD PN18 CAT 6	100	1000
R12.141.032	32	PVC CAP THD PN18 CAT 6	75	450
R12.141.040	40	PVC CAP THD PN18 CAT 6	50	300
R12.141.050	50	PVC CAP THD PN18 CAT 6	25	200
R12.141.080	80	PVC CAP THD PN18 CAT 6	1	140
R12.141.100	100	PVC CAP THD PN18 CAT 6	1	60
R12.141.150	150	PVC CAP THD PN18 CAT 6	1	24



PVC REDUCING BUSH CAT 5

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.109.020015	20 X 15	PVC BUSH PN18 CAT 5	100	2500
R12.109.025020	25 X 20	PVC BUSH PN18 CAT 5	100	1600
R12.109.032025	32 X 25	PVC BUSH PN18 CAT 5	25	600
R12.109.040025	40 X 25	PVC BUSH PN18 CAT 5	25	600
R12.109.040032	40 X 32	PVC BUSH PN18 CAT 5	50	600
R12.109.050025	50 X 25	PVC BUSH PN18 CAT 5	25	300
R12.109.050040	50 X 40	PVC BUSH PN18 CAT 5	25	300
R12.109.080050	80 X 50	PVC BUSH PN18 CAT 5	1	120
R12.109.100050	100 X 50	PVC BUSH PN18 CAT 5	1	100
R12.109.100080	100 X 80	PVC BUSH PN18 CAT 5	1	100
R12.109.150100	150 X 100	PVC BUSH PN18 CAT 5	1	50
R12.109.200150	200 X 150	PVC BUSH PN10 CAT 5	1	4
R12.109.225150	225 X 150	PVC BUSH PN10 CAT 5 ¹	1	3
R12.109.225200	225 X 200	PVC BUSH PN10 CAT 5 ¹	1	3
R12.109.250150	250 X 150	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.250200	250 X 200	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.250225	250 X 225	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.300150	300 X 150	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.300200	300 X 200	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.300225	300 X 225	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.300250	300 X 250	PVC BUSH PN10 CAT 5 ¹	1	1
R12.109.375225	375 X 225	PVC BUSH PN6 CAT 5 ¹	1	1
R12.109.375250	375 X 250	PVC BUSH PN6 CAT 5 ¹	1	1
R12.109.375300	375 X 300	PVC BUSH PN6 CAT 5 ¹	1	1
R12.114.300250	300 X 250	PVC RED COUPLING PN6 CAT8 ¹	1	1
R12.114.375300	375 X 300	PVC RED COUPLING PN6 CAT8 ¹	1	1

PVC-U PIPE FITTINGS



PVC REDUCING COUPLING CAT 8

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.114.020015	20 X 15	PVC RED COUPLING PN18 CAT8	100	800
R12.114.025015	25 X 15	PVC RED COUPLING PN18 CAT8	50	400
R12.114.025020	25 X 20	PVC RED COUPLING PN18 CAT8	50	400
R12.114.032020	32 X 20	PVC RED COUPLING PN18 CAT8	50	300
R12.114.032025	32 X 25	PVC RED COUPLING PN18 CAT8	25	200
R12.114.040020	40 X 20	PVC RED COUPLING PN18 CAT8	25	225
R12.114.040025	40 X 25	PVC RED COUPLING PN18 CAT8	25	250
R12.114.040032	40 X 32	PVC RED COUPLING PN18 CAT8	25	200
R12.114.050025	50 X 25	PVC RED COUPLING PN18 CAT8	10	200
R12.114.050032	50 X 32	PVC RED COUPLING PN18 CAT8	25	200
R12.114.050040	50 X 40	PVC RED COUPLING PN18 CAT8	25	175
R12.114.080050	80 X 50	PVC RED COUPLING PN18 CAT8	1	120
R12.114.100050	100 X 50	PVC RED COUPLING PN18 CAT8	1	36
R12.114.100080	100 X 80	PVC RED COUPLING PN18 CAT8	1	12
R12.114.150100	150 X 100	PVC RED COUPLING PN18 CAT8	1	12
R12.114.200150	200 X 150	PVC RED COUPLING PN10 CAT8	1	1
R12.114.225200	225 X 200	PVC RED COUPLING PN10 CAT8 ¹	1	1
R12.114.250200	250 X 200	PVC RED COUPLING PN6 CAT8 ¹	1	1
R12.114.250225	250 X 225	PVC RED COUPLING PN10 CAT8 ¹	1	1
R12.114.300150	300 X 150	PVC RED COUPLING PN6 CAT8 ¹	1	1
R12.114.300200	300 X 200	PVC RED COUPLING PN6 CAT8 ¹	1	1
R12.114.300225	300 X 225	PVC RED COUPLING PN6 CAT8 ¹	1	1

PVC 90° ELBOW CAT 13

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.115.015	15	PVC 90 ELBOW PN18 CAT13	50	900
R12.115.020	20	PVC 90 ELBOW PN18 CAT13	25	500
R12.115.025	25	PVC 90 ELBOW PN18 CAT13	25	250
R12.115.032	32	PVC 90 ELBOW PN18 CAT13	20	160
R12.115.040	40	PVC 90 ELBOW PN18 CAT13	15	120
R12.115.050	50	PVC 90 ELBOW PN18 CAT13	10	70
R12.115.080	80	PVC 90 ELBOW PN18 CAT13	1	38
R12.115.100	100	PVC 90 ELBOW PN18 CAT13	1	18
R12.115.150	150	PVC 90 ELBOW PN18 CAT13	1	8
R12.115.200	200	PVC 90 ELBOW PN10 CAT13	1	2
R12.115.225	225	PVC 90 ELBOW PN10 CAT13 ¹	1	1
R12.115.250	250	PVC 90 ELBOW PN10 CAT13 ¹	1	1
R12.115.300	300	PVC 90 ELBOW PN10 CAT13 ¹	1	1
R12.115.375	375	PVC 90 ELBOW PN6 CAT13 ¹	1	1

¹ PVC-U fittings in grey to: ISO727
Heavy duty PVC cement must be used

PVC-U PIPE FITTINGS



PVC 90° FAUCET ELBOW CAT 15

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.116.015	15 X 15	PVC 90D P/T PN18 CAT15	100	900
R12.116.020015	20 X 15	PVC 90D P/T PN18 CAT15	50	500
R12.116.020	20 X 20	PVC 90D P/T PN18 CAT15	25	500
R12.116.025015	25 X 15	PVC 90D P/T PN18 CAT15	25	250
R12.116.025020	25 X 20	PVC 90D P/T PN18 CAT15	25	250
R12.116.025	25 X 25	PVC 90D P/T PN18 CAT15	25	250
R12.116.040	40 X 40	PVC 90D P/T PN18 CAT15	15	120
R12.116.050	50 X 50	PVC 90D P/T PN18 CAT15	10	70



PVC 45° ELBOW CAT 10

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.119.015	15	PVC 45 ELBOW PN18 CAT10	100	1000
R12.119.020	20	PVC 45 ELBOW PN18 CAT10	25	600
R12.119.025	25	PVC 45 ELBOW PN18 CAT10	25	400
R12.119.032	32	PVC 45 ELBOW PN18 CAT10	25	200
R12.119.040	40	PVC 45 ELBOW PN18 CAT10	25	150
R12.119.050	50	PVC 45 ELBOW PN18 CAT10	10	80
R12.119.080	80	PVC 45 ELBOW PN18 CAT10	1	45
R12.119.100	100	PVC 45 ELBOW PN18 CAT10	1	24
R12.119.150	150	PVC 45 ELBOW PN18 CAT10	1	8
R12.119.200	200	PVC 45 ELBOW PN10 CAT10	1	2
R12.119.225	225	PVC 45 ELBOW PN10 CAT10 ¹	1	1
R12.119.250	250	PVC 45 ELBOW PN10 CAT10 ¹	1	1
R12.119.300	300	PVC 45 ELBOW PN10 CAT10 ¹	1	1
R12.119.375	375	PVC 45 ELBOW PN6 CAT10 ¹	1	1

PVC-U PIPE FITTINGS



PVC REDUCING COUPLING CAT 8

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.122.015	15	PVC TEE PN18 CAT19	50	450
R12.122.020	20	PVC TEE PN18 CAT19	25	400
R12.122.025	25	PVC TEE PN18 CAT19	25	200
R12.122.032	32	PVC TEE PN18 CAT19	15	90
R12.122.040	40	PVC TEE PN18 CAT19	10	80
R12.122.050	50	PVC TEE PN18 CAT19	6	60
R12.122.065	65	PVC TEE PN18 CAT19	1	40
R12.122.080	80	PVC TEE PN18 CAT19	1	32
R12.122.100	100	PVC TEE PN18 CAT19	1	16
R12.122.150	150	PVC TEE PN18 CAT19	1	4
R12.122.200	200	PVC TEE PN10 CAT19	1	2
R12.122.225	225	PVC TEE PN10 CAT19 ¹	1	1
R12.122.250	250	PVC TEE PN10 CAT19 ¹	1	1
R12.122.300	300	PVC TEE PN10 CAT19 ¹	1	1
R12.122.375	375	PVC TEE PN6 CAT19 ¹	1	1



PVC 90° ELBOW CAT 13

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.122.020015	20 X 15	PVC TEE PN18 CAT19	50	400
R12.122.025015	25 X 15	PVC TEE PN18 CAT19	25	200
R12.122.025020	25 X 20	PVC TEE PN18 CAT19	25	200
R12.122.040020	40 X 20	PVC TEE PN18 CAT19	10	80
R12.122.040025	40 X 25	PVC TEE PN18 CAT19	10	80
R12.122.040032	40 X 32	PVC TEE PN18 CAT19	10	80
R12.122.050020	50 X 20	PVC TEE PN18 CAT19	10	60
R12.122.050025	50 X 25	PVC TEE PN18 CAT19	10	60
R12.122.050032	50 X 32	PVC TEE PN18 CAT19	1	1
R12.122.050040	50 X 40	PVC TEE PN18 CAT19	6	60
R12.122.080025	80 X 25	PVC TEE PN18 CAT19	1	32
R12.122.080040	80 X 40	PVC TEE PN18 CAT19	1	32
R12.122.080050	80 X 50	PVC TEE PN18 CAT19	1	32
R12.122.100050	100 X 50	PVC TEE PN18 CAT19	1	16
R12.122.100080	100 X 80	PVC TEE PN18 CAT19	1	16
R12.122.150100	150 X 100	PVC TEE PN18 CAT19	1	1
R12.122.200150	200 X 150	PVC TEE PN10 CAT19	1	1
R12.122.250150	250 X 150	PVC TEE PN10 CAT19 ¹	1	1
R12.122.250200	250 X 200	PVC TEE PN10 CAT19 ¹	1	1
R12.122.300150	300 X 150	PVC TEE PN10 CAT19 ¹	1	1
R12.122.300200	300 X 200	PVC TEE PN10 CAT19 ¹	1	1
R12.122.375300	375 X 300	PVC TEE PN6 CAT19 ¹	1	1

¹ PVC-U fittings in grey to: ISO727
Heavy duty PVC cement must be used

PVC-U PIPE FITTINGS



PVC FAUCET TEE CAT 21

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.121.015	15	PVC F/TEE PN18 CAT 21	75	450
R12.121.020	20	PVC F/TEE PN18 CAT 21	25	400
R12.121.025	25	PVC F/TEE PN18 CAT 21	25	200
R12.121.032	32	PVC F/TEE PN18 CAT 21	10	90
R12.121.040	40	PVC F/TEE PN18 CAT 21	10	80
R12.121.050	50	PVC F/TEE PN18 CAT 21	6	60



PVC REDUCING FAUCET TEE CAT 21

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.121.020015	20 X 15	PVC F/TEE PN18 CAT 21	25	400
R12.121.025015	25 X 15	PVC F/TEE PN18 CAT 21	25	200
R12.121.025020	25 X 20	PVC F/TEE PN18 CAT 21	25	200
R12.121.032020	32 X 20	PVC F/TEE PN18 CAT 21	1	1
R12.121.032025	32 X 25	PVC F/TEE PN18 CAT 21	1	1
R12.121.040020	40 X 20	PVC F/TEE PN18 CAT 21	10	80
R12.121.040025	40 X 25	PVC F/TEE PN18 CAT 21	10	80
R12.121.050020	50 X 20	PVC F/TEE PN18 CAT 21	10	60
R12.121.050025	50 X 25	PVC F/TEE PN18 CAT 21	10	60
R12.121.050040	50 X 40	PVC F/TEE PN18 CAT 21	10	60



PVC BSP FAUCET SOCKET CAT 18

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.101.015	15	PVC F/SOC PN18 CAT 18	100	1200
R12.101.020	20	PVC F/SOC PN18 CAT 18	25	800
R12.101.025	25	PVC F/SOC PN18 CAT 18	25	400
R12.101.032	32	PVC F/SOC PN18 CAT 18	25	300
R12.101.040	40	PVC F/SOC PN18 CAT 18	25	200
R12.101.050	50	PVC F/SOC PN18 CAT 18	10	100
R12.101.080	80	PVC F/SOC PN18 CAT 18	1	48
R12.101.100	100	PVC F/SOC PN18 CAT 18	1	36
R12.101.150	150	PVC F/SOC PN18 CAT 18	1	12



PVC BSP REDUCING FAUCET SOCKET CAT 18

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.101.025015	25 X 15	PVC F/SOC PN18 CAT 18	25	500

PVC-U PIPE FITTINGS



PVC BSP VALVE TAKE OFF ADAPTOR CAT 2

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.107.015	15	PVC BSP VT0A PN18 CAT 2	1	+1400
R12.107.020	20	PVC BSP VT0A PN18 CAT 2	25	1000
R12.107.025	25	PVC BSP VT0A PN18 CAT 2	25	600
R12.107.032	32	PVC BSP VT0A PN18 CAT 2	25	400
R12.107.040	40	PVC BSP VT0A PN18 CAT 2	25	300
R12.107.050	50	PVC BSP VT0A PN18 CAT 2	10	200
R12.107.080	80	PVC BSP VT0A PN18 CAT 2	1	100
R12.107.100	100	PVC BSP VT0A PN18 CAT 2	1	1



PVC BSP REDUCING VALVE TAKE OFF ADAPTOR CAT 2

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.107.025015	25 X 15	PVC BSP VT0A PN18 CAT 2	1	1
R12.107.040020	40 X 20	PVC BSP VT0A PN18 CAT 2	1	1
R12.107.040025	40 X 25	PVC BSP VT0A PN18 CAT 2	1	1
R12.107.040032	40 X 32	PVC BSP VT0A PN18 CAT 2	1	1
R12.107.050025	50 X 25	PVC BSP VT0A PN18 CAT 2	1	1
R12.107.050040	50 X 40	PVC BSP VT0A PN18 CAT 2	1	1



PVC BSP VALVE SOCKET THREADED CAT 17

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.151.015	15	PVC V/SOC THD PN18 CAT 17	100	1400
R12.151.020	20	PVC V/SOC THD PN18 CAT 17	25	1000
R12.151.025	25	PVC V/SOC THD PN18 CAT 17	25	600
R12.151.032	32	PVC V/SOC THD PN18 CAT 17	25	400
R12.151.040	40	PVC V/SOC THD PN18 CAT 17	25	300
R12.151.050	50	PVC V/SOC THD PN18 CAT 17	25	200
R12.151.080	80	PVC V/SOC THD PN18 CAT 17	1	75
R12.151.100	100	PVC V/SOC THD PN18 CAT 17	1	60
R12.151.150	150	PVC V/SOC THD PN18 CAT 17	1	18



PVC BSP VALVE TAKE OFF ADAPTOR CAT 2

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.153.015	15	PVC FAUC/ADPT PN18 CAT 3	50	1400
R12.153.020	20	PVC FAUC/ADPT PN18 CAT 3	50	1000
R12.153.025	25	PVC FAUC/ADPT PN18 CAT 3	50	600
R12.153.032	32	PVC FAUC/ADPT PN18 CAT 3	25	400
R12.153.040	40	PVC FAUC/ADPT PN18 CAT 3	25	300
R12.153.050	50	PVC FAUC/ADPT PN18 CAT 3	20	200

PVC-U PIPE FITTINGS



PVC BSP REDUCING FAUCET ADAPTOR CAT 3

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.153.025015	25 X 15	PVC FAUC/ADPT PN18 CAT 3	1	1
R12.153.032015	32 X 15	PVC FAUC/ADPT PN18 CAT 3	1	1
R12.153.032020	32 X 20	PVC FAUC/ADPT PN18 CAT 3	1	1
R12.153.040025	40 X 25	PVC FAUC/ADPT PN18 CAT 3	1	1
R12.153.050025	50 X 25	PVC FAUC/ADPT PN18 CAT 3	1	1
R12.153.050040	50 X 40	PVC FAUC/ADPT PN18 CAT 3	1	1



PVC BARREL UNION CAT 22

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.205.015	15	PVC BARREL UNION PN18 CAT 22	25	100
R12.205.020	20	PVC BARREL UNION PN18 CAT 22	25	100
R12.205.025	25	PVC BARREL UNION PN18 CAT 22	25	100
R12.205.032	32	PVC BARREL UNION PN18 CAT 22	10	80
R12.205.040	40	PVC BARREL UNION PN18 CAT 22	10	80
R12.205.050	50	PVC BARREL UNION PN18 CAT 22	8	48
R12.205.080	80	PVC BARREL UNION PN18 CAT 22	6	12



PVC COMPRESSION COUPLING

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.901.015	15	COMPRESSION COUPLING PVC	15	160
R12.901.020	20	COMPRESSION COUPLING PVC	15	120
R12.901.025	25	COMPRESSION COUPLING PVC	15	120
R12.901.032	32	COMPRESSION COUPLING PVC	9	72
R12.901.040	40	COMPRESSION COUPLING PVC	9	54
R12.901.050	50	COMPRESSION COUPLING PVC	9	36
R12.901.080	80	COMPRESSION COUPLING PVC	1	12
R12.901.100	100	COMPRESSION COUPLING PVC	1	6



PVC COMPRESSION TEE THREADED

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.901.050	50	COMPRESSION COUPLING PVC	15	120
R12.921.025	25	COMPRESSION COUPLING PVC	15	160

PVC-U FLANGES

PVC-U FLANGES FOR VARIOUS WATER INDUSTRY APPLICATIONS



PVC FLANGE TABLE D

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.317.050	50	PVC FLANGE TABLE D ¹	1	48
R12.317.080	80	PVC FLANGE TABLE D ¹	1	24
R12.317.100	100	PVC FLANGE TABLE D ¹	1	20
R12.317.150	150	PVC FLANGE TABLE D ¹	1	6



PVC VANSTONE FLANGE

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.317.050V	50	PVC VANSTONE FLANGE CAT16 ¹	1	1
R12.317.080V	80	PVC VANSTONE FL CAT16 D/E/ANSI ¹	1	24
R12.317.100V	100	PVC VANSTONE FL CAT16 D/E/ANSI	1	20
R12.317.150V	150	PVC VANSTONE FL CAT16 D/E/ANSI/DIN ¹	1	6
R12.317.200V	200	PVC V/FL CAT16 PN10 D/E/ANSI/DIN ¹	1	4
R12.317.225V	225	PVC V/FL CAT16 PN10 E/ANSI/DIN ¹	1	2
R12.317.250V	250	PVC V/FL CAT16 PN10 E/ANSI/DIN ¹	1	2
R12.317.300V	300	PVC V/FL CAT16 PN8 D/E/DIN ¹	1	1
R12.317.375V	375	PVC V/FL CAT16 PN5 DIN ¹	1	1



PVC STUB FLANGE

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.135.050	50	PVC STUB FLANGE ¹	1	1
R12.135.080	80	PVC STUB FLANGE ¹	1	1
R12.135.100	100	PVC STUB FLANGE ¹	1	1
R12.135.150	150	PVC STUB FLANGE ¹	1	10
R12.135.200	200	PVC STUB FLANGE ¹	1	3
R12.135.225	225	PVC STUB FLANGE ¹	1	4
R12.135.250	250	PVC STUB FLANGE ¹	1	2
R12.135.300	300	PVC STUB FLANGE ¹	1	1
R12.135.375	375	PVC STUB FLANGE ¹	1	1

For Backing Rings, Refer to BACKING RING – TABLE E Page 6.68.

PVC TAPPING BANDS & REPAIR COUPLINGS

ACCESSORIES FOR PVC PIPE



ALUMINIUM TAPPING BAND

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.905.080025	80 X 1"	TAPPING BAND	1	1
R12.905.080040	80 X 1½"	TAPPING BAND	1	1
R12.905.080050	80 X 2"	TAPPING BAND	1	10
R12.905.100025	100 X 1"	TAPPING BAND	1	1
R12.905.100040	100 X 1½"	TAPPING BAND	1	1
R12.905.100050	100 X 2"	TAPPING BAND	1	10
R12.905.150025	150 X 1"	TAPPING BAND	1	1
R12.905.150040	150 X 1½"	TAPPING BAND	1	1
R12.905.150050	150 X 2"	TAPPING BAND	1	10
R12.905.150080	150 X 3"	TAPPING BAND	1	10
R12.905.150100	150 X 4"	TAPPING BAND	1	8
R12.905.200025	200 X 1"	TAPPING BAND	1	1
R12.905.200040	200 X 1½"	TAPPING BAND	1	1
R12.905.200050	200 X 2"	TAPPING BAND	1	8
R12.905.200080	200 X 3"	TAPPING BAND	1	8
R12.905.200100	200 X 4"	TAPPING BAND	1	8



PVC REPAIR COUPLING

CODE	SIZE (MM)	DESCRIPTION	BAG	PACK QTY
R12.902.080	80	REPAIR COUPLING	1	1
R12.902.100	100	REPAIR COUPLING	1	1
R12.902.150	150	REPAIR COUPLING	1	1
R12.902.200	200	REPAIR COUPLING	1	1

PVC PRESSURE VALVES

ACCESSORIES FOR PVC PIPE



AIR RELIEF VALVE

CODE	SIZE (MM)	DESCRIPTION	BAG	BOX
R12.804.025	25	AIR VALVE	1	1
R12.804.050	50	AIR VALVE	1	1

PVC CHECK VALVE

CODE	SIZE (MM)	DESCRIPTION	BAG	BOX
R12.805.020	20	CHECK VALVE (SLIP) 2LB	1	60
R12.805.025	25	CHECK VALVE (SLIP) 2LB	1	60
R12.805.040	40	CHECK VALVE (SLIP) 2LB	1	24
R12.805.050	50	CHECK VALVE (SLIP) 2LB	1	24

PVC BALL VALVE SWJ

CODE	SIZE (MM)	DESCRIPTION	BAG	BOX
R12.801.015	15	BALL VALVE PVC (SLIP)	1	100
R12.801.020	20	BALL VALVE PVC (SLIP)	1	100
R12.801.025	25	BALL VALVE PVC (SLIP)	1	100
R12.801.032	32	BALL VALVE PVC (SLIP)	1	100
R12.801.040	40	BALL VALVE PVC (SLIP)	1	48
R12.801.050	50	BALL VALVE PVC (SLIP)	1	24

PVC BALL VALVE FEMALE BSP

CODE	SIZE (MM)	DESCRIPTION	BAG	BOX
R12.802.015	15	BALL VALVE PVC (FEM X FEM)	1	100
R12.802.020	20	BALL VALVE PVC (FEM X FEM)	1	100
R12.802.025	25	BALL VALVE PVC (FEM X FEM)	1	100
R12.802.032	32	BALL VALVE PVC (FEM X FEM)	1	100
R12.802.040	40	BALL VALVE PVC (FEM X FEM)	1	48
R12.802.050	50	BALL VALVE PVC (FEM X FEM)	1	24

PVC PRESSURE PIPE CEMENT & PRIMING FLUID

PVC-M PIPE CEMENTS & PRIMING FLUIDS



CLEANING & PRIMING FLUIDS / SOLVENT CEMENT

CODE	PRODUCT DESCRIPTION	SIZE
1903754	Soudal Priming Fluid ABS Grey	250ML
1903755	Soudal Priming Fluid ABS Grey	1LTR
1903592	Soudal Priming Fluid Clear	4LTR
1903591	Soudal Priming Fluid Clear	500ML
1903588	Soudal Priming Fluid Red	1LTR
1903589	Soudal Priming Fluid Red	4LTR
1903586	Soudal Priming Fluid Red	250ML
1903587	Soudal Priming Fluid Red	500ML
1903756	Soudal Solvent Cement ABS Grey	250ML
1903757	Soudal Solvent Cement ABS Grey	1LTR
1903596	Soudal Solvent Cement Type N Blue	1LTR
1903597	Soudal Solvent Cement Type N Blue	4LTR
1903593	Soudal Solvent Cement Type N Blue	125ML
1903594	Soudal Solvent Cement Type N Blue	250ML
1903595	Soudal Solvent Cement Type N Blue	500ML
1903603	Soudal Solvent Cement Type N Clear	4LTR
1903601	Soudal Solvent Cement Type N Clear	250ML
1903602	Soudal Solvent Cement Type N Clear	500ML
1903617	Soudal Solvent Cement Type P Clear	4LTR
1903616	Soudal Solvent Cement Type P Clear	500ML
1903614	Soudal Solvent Cement Type P Green	4LTR
1903611	Soudal Solvent Cement Type P Green	125ML
1903612	Soudal Solvent Cement Type P Green	250ML
1903613	Soudal Solvent Cement Type P Green	500ML



NON PRESSURE FITTINGS

DWV PVC PIPE FITTINGS

DWV PVC FITTINGS ARE DESIGNED AND MANUFACTURED TO AS/NZS 1260 FOR DRAIN WASTE & VENT APPLICATIONS

Viadux assures our customers of high quality DWV pipe system product which can be used to transport domestic aqueous drain and waste fluids, as well as associated air ventilation. DWV pipe systems are intended for use above and below ground including exposure to direct sunlight. This system is widely known to be economical and lightweight. In addition, DWV PVC is resistant to a wide variety of chemicals, does not support combustion, impermeable to bacteria & fungal attack, and will not corrode. Pipe and fittings assemble easily using either solvent cement (solvent weld joint "SWJ") or rubber seal rings (rubber ring joint "RRJ") to accommodate thermal or ground movement.

Viadux's and their suppliers' QMS comply to the requirements of ISO 9001.

DWV PIPE & FITTINGS RANGE

- DWV Pipe
 - SWJ (Solvent Weld Joint)
 - RRJ (Rubber Ring Joint)
- DWV Fittings
 - SWJ & RRJ fittings
 - Cement & Priming Fluid
 - Maintenance Shafts & Specialised Fittings

Diameter and pipe stiffness range typically available:

DN 100mm-375mm

SN 4-10 in SWJ; SN 8 in RRJ

All comply with AS/NZS 1260 $\diamond$ PVC-U Pipes and Fittings for Drain, Waste and Vent Application

INSTALLATION

Installation should be made with reference to:

AS/NZS3500 National Plumbing Standard

AS/NZS2032 Installation of PVC Pipe Systems

Relevant guidelines available from PIPA (www.pipa.com.au/technical) include:

POP102 Solvent Cement Jointing of PVC Pipe

POP103 Depth Of Engagement For PVC Pipes

POP014 Assessment of Polyethylene Welds.

DWV PVC FITTINGS SWJ

BENDS (ELBOWS)



5° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.100511.100	100	DWV 100 BEND 5D F&F SWJ (M)
R22.100511.150	150	DWV 150 BEND 5D F&F SWJ
R22.100511.225	225	DWV 225 BEND 5D F&F SWJ
R22.100511.300	300	DWV 300 BEND 5D F&F SWJ
R22.100511.375	375	DWV 375 BEND 5D F&F SWJ

15° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.101511.100	100	DWV 100 BEND 15D F&F SWJ (M)
R22.101511.150	150	DWV 150 BEND 15D F&F SWJ
R22.101511.225	225	DWV 225 BEND 15D F&F SWJ (M)
R22.101511.300	300	DWV 300 BEND 15D F&F SWJ
R22.101511.375	375	DWV 375 BEND 15D F&F SWJ



22° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.102211.150	150	DWV 150 BEND 22D F&F SWJ
R22.102211.225	225	DWV 225 BEND 22D F&F SWJ
R22.102211.300	300	DWV 300 BEND 22D F&F SWJ
R22.102211.375	375	DWV 375 BEND 22D F&F SWJ

30° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.103011.100	100	DWV 100 BEND 30D F&F SWJ (M)
R22.103011.150	150	DWV 150 BEND 30D F&F SWJ
R22.103011.225	225	DWV 225 BEND 30D F&F SWJ
R22.103011.300	300	DWV 300 BEND 30D F&F SWJ
R22.103011.375	375	DWV 375 BEND 30D F&F SWJ

DWV PVC FITTINGS SWJ

BENDS (ELBOWS)



45° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.104511.100	100	DWV 100 BEND 45D F&F SWJ (M)
R22.104511.150	150	DWV 150 BEND 45D F&F SWJ (M)
R22.104511.225	225	DWV 225 BEND 45D F&F SWJ (M)
R22.104511.300	300	DWV 300 BEND 45D F&F SWJ (M)
R22.104511.375	375	DWV 375 BEND 45D F&F SWJ

60° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.106011.100	100	DWV 100 BEND 60D F&F SWJ (M)
R22.106011.150	150	DWV 150 BEND 60D F&F SWJ
R22.106011.225	225	DWV 225 BEND 60D F&F SWJ
R22.106011.300	300	DWV 300 BEND 60D F&F SWJ
R22.106011.375	375	DWV 375 BEND 60D F&F SWJ

88/90° BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.108811.100	100	DWV 100 BEND 88D F&F SWJ (M)
R22.109011.150	150	DWV 150 BEND 90D F&F SWJ (M)
R22.109011.225	225	DWV 225 BEND 88/90D F&F SWJ (M)
R22.109011.300	300	DWV 300 BEND 88/90D F&F SWJ (M)
R22.108811.375	375	DWV 375 BEND 88D F&F SWJ

Note: Lobster Bends Available On Request

DWV PVC FITTINGS SWJ

JUNCTIONS



45° JUNCTIONS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.204504.100	100	DWV 100 JUNCT EQU 45D F&F T SWJ (M)
R22.204511.150	150	DWV 150 JUNCT EQU 45D F&F SWJ (M)
R22.214511.1510	150 X 100	DWV 150X100 JUNCT RED 45D F&F SWJ (M)
R22.204511.225	225	DWV 225 JUNCT EQU 45D F&F SWJ (M)
R22.214511.2215	225 X 150	DWV 225X150 JUNCT RED 45D F&F SWJ (M)
R22.214511.2210	225 X 100	DWV 225X100 JUNCT RED 45D F&F SWJ (M)
R22.204511.300	300	DWV 300 JUNCT EQU 45D F&F SWJ (M)
R22.214511.3022	300 X 225	DWV 300X225 JUNCT RED 45D F&F SWJ (M)
R22.214511.3015	300 X 150	DWV 300X150 JUNCT RED 45D F&F SWJ (M)
R22.214511.3010	300 X 100	DWV 300X100 JUNCT RED 45D F&F SWJ (M)
R22.204511.375	375	DWV 375 JUNCT EQU 45D F&F SWJ
R22.214511.3730	375 X 300	DWV 375X300 JUNCT RED 45D F&F SWJ
R22.214511.3722	375 X 225	DWV 375X225 JUNCT RED 45D F&F SWJ
R22.214511.3715	375 X 150	DWV 375X150 JUNCT RED 45D F&F SWJ
R22.214511.3710	375 X 100	DWV 375X100 JUNCT RED 45D F&F SWJ

90° JUNCTIONS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.209011.100	100	DWV 100 JUNCT EQU 90D F&F SWJ (M)
R22.209011.150	150	DWV 150 JUNCT EQU 90D F&F SWJ (M)
R22.219011.1510	150 X 100	DWV 150X100 JUNCT RED 90D F&F SWJ (M)
R22.209011.225	225	DWV 225 JUNCT EQU 90D F&F SWJ (M)
R22.219011.2215	225 X 150	DWV 225X150 JUNCT RED 90D F&F SWJ (M)
R22.219011.2210	225 X 100	DWV 225X100 JUNCT RED 90D F&F SWJ (M)
R22.209011.300	300	DWV 300 JUNCT EQU 90D F&F SWJ
R22.219011.3022	300 X 225	DWV 300X225 JUNCT RED 90D F&F SWJ
R22.219011.3015	300 X 150	DWV 300X150 JUNCT RED 90D F&F SWJ
R22.219011.3010	300 X 100	DWV 300X100 JUNCT RED 90D F&F SWJ
R22.209011.375	375	DWV 375 JUNCT EQU 90D F&F SWJ
R22.219011.3730	375 X 300	DWV 375X300 JUNCT RED 90D F&F SWJ
R22.219011.3722	375 X 225	DWV 375X225 JUNCT RED 90D F&F SWJ
R22.219011.3715	375 X 150	DWV 375X150 JUNCT RED 90D F&F SWJ
R22.219011.3710	375 X 100	DWV 375X100 JUNCT RED 90D F&F SWJ

DWV PVC FITTINGS SWJ

TAPPING SADDLES



45° TAPPING SADDLES SWJ

CODE	SIZE (MM)	DESCRIPTION
R22.814501.100	100	DWV 100 SADDLE EQU 45D SWJ
R22.814501.150	150	DWV 150 SADDLE EQU 45D SWJ
R22.804501.1510	150 X 100	DWV 150X100 SADDLE RED 45D SWJ (M)
R22.814501.225	225	DWV 225 SADDLE EQU 45D SWJ
R22.804501.2215	225 X 150	DWV 225X150 SADDLE RED 45D SWJ (M)
R22.804501.2210	225 X 100	DWV 225X100 SADDLE RED 45D SWJ (M)
R22.814501.300	300	DWV 300 SADDLE EQU 45D SWJ
R22.804501.3022	300 X 225	DWV 300X225 SADDLE RED 45D SWJ
R22.804501.3015	300 X 150	DWV 300X150 SADDLE RED 45D SWJ (M)
R22.804501.3010	300 X 100	DWV 300X100 SADDLE RED 45D SWJ (M)
R22.814501.300	300	DWV 300 SADDLE EQU 45D SWJ
R22.804501.3022	300 X 225	DWV 300X225 SADDLE RED 45D SWJ
R22.804501.3015	300 X 150	DWV 300X150 SADDLE RED 45D SWJ (M)
R22.804501.3010	300 X 100	DWV 300X100 SADDLE RED 45D SWJ (M)
R22.814501.375	375	DWV 375 SADDLE EQU 45D SWJ
R22.804501.3730	375 X 300	DWV 375X300 SADDLE RED 45D SWJ
R22.804501.3722	375 X 225	DWV 375X225 SADDLE RED 45D SWJ
R22.804501.3715	375 X 150	DWV 375X150 SADDLE RED 45D SWJ (M)
R22.804501.3710	375 X 100	DWV 375X100 SADDLE RED 45D SWJ (M)



90° TAPPING SADDLES SWJ

CODE	SIZE (MM)	DESCRIPTION
R22.819001.100	100	DWV 100 SADDLE EQU 90D SWJ
R22.819001.150	150	DWV 150 SADDLE EQU 90D SWJ
R22.809001.1510	150 X 100	DWV 150X100 SADDLE RED 90D SWJ
R22.819001.225	225	DWV 225 SADDLE EQU 90D SWJ
R22.809001.2215	225 X 150	DWV 225X150 SADDLE RED 90D SWJ
R22.809001.2210	225 X 100	DWV 225X100 SADDLE RED 90D SWJ
R22.819001.300	300	DWV 300 SADDLE EQU 90D SWJ
R22.809001.3022	300 X 225	DWV 300X225 SADDLE RED 90D SWJ
R22.809001.3015	300 X 150	DWV 300X150 SADDLE RED 90D SWJ
R22.809001.3010	300 X 100	DWV 300X100 SADDLE RED 90D SWJ
R22.819001.375	375	DWV 375 SADDLE EQU 90D SWJ
R22.809001.3730	375 X 300	DWV 375X300 SADDLE RED 90D SWJ
R22.809001.3722	375 X 225	DWV 375X225 SADDLE RED 90D SWJ
R22.809001.3715	375 X 150	DWV 375X150 SADDLE RED 90D SWJ
R22.809001.3710	375 X 100	DWV 375X100 SADDLE RED 90D SWJ

DWV PVC FITTINGS SWJ

CAPS



CAPS PUSH-ON SWJ

CODE	SIZE (MM)	DESCRIPTION
R22.500001.100	100	DWV 100 CAP PUSH SWJ (M)
R22.500001.150	150	DWV 150 CAP PUSH SWJ (M)
R22.500001.225	225	DWV 225 CAP PUSH SWJ (M)
R22.500001.300	300	DWV 300 CAP PUSH SWJ (M)
R22.500001.375	375	DWV 375 CAP PUSH SWJ

CAPS THREADED

CODE	SIZE (MM)	DESCRIPTION
R22.500003.100	100	DWV 100 CAP THREADED (M)
R22.500003.150	150	DWV 150 CAP THREADED (M)
R22.500003.225	225	DWV 225 CAP THREADED (M)
R22.500003.300	300	DWV 300 CAP THREADED (M)

ACCESS CAPS SWJ F

CODE	SIZE (MM)	DESCRIPTION
R22.410001.100	100	DWV ACCESS COUP NO CAP SWJ (M)
R22.410001.150	150	DWV 150 ACCESS COUP NO CAP SWJ (M)

DWV PVC FITTINGS SWJ

BOLTED TRAP SCREWS / INSPECTION OPENINGS



BOLTED TRAP SCREWS SWJ F

CODE	SIZE (MM)	DESCRIPTION
R22.950000.100	100	DWV 100 BOLTED TRAP SCREW
R22.950000.150	150	DWV 150 BOLTED TRAP SCREW
R22.950000.225	225	DWV 225 BOLTED TRAP SCREW
R22.950000.300	300	DWV 300 BOLTED TRAP SCREW
R22.950000.375	375	DWV 375 BOLTED TRAP SCREW



INSPECTION OPENINGS 90° WITH THREADED CAP SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.330011.100	100	DWV 100 INSPECT OPEN EQU W/CAP F&F SWJ (M)
R22.330011.150	150	DWV 150 INSPECT OPEN EQU W/CAP F&F SWJ (M)
R22.330011.225	225	DWV 225 INSPECT OPEN EQU W/CAP F&F SWJ (M)
R22.330011.2215	225 X 150	DWV 225X150 INSPECT OPEN W/CAP F&F SWJ (M)
R22.330011.2210	225 X 100	DWV 225X100 INSPECT OPEN W/CAP F&F SWJ (M)
R22.330011.3022	300 X 225	DWV 300X225 INSPECT OPEN W/CAP F&F SWJ
R22.330011.3015	300 X 150	DWV 300X150 INSPECT OPEN W/CAP F&F SWJ

INSPECTION OPENING NO CAP SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.350011.225	225	DWV 225 INSPECT OPEN NO CAP F&F SWJ (M)
R22.350011.150	150	DWV 150 INSPECT OPEN NO CAP F&F SWJ (M)
R22.350011.100	100	DWV 100 INSPECT OPEN NO CAP F&F SWJ (M)

DWW PVC FITTINGS SWJ

LEVEL INVERT TAPERS / COUPLINGS



LEVEL INVERT TAPERS (REDUCERS) SWJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.600021.1510	150X100	DWW 150X100 LIT M&F SWJ (M)
R22.600021.2215	225X150	DWW 225X150 LIT M&F SWJ (M)
R22.600021.2210	225X100	DWW 225X100 LIT M&F SWJ (M)
R22.600021.3022	300X225	DWW 300X225 LIT M&F SWJ (M)
R22.600021.3015	300X150	DWW 300X150 LIT M&F SWJ (M)
R22.600021.3010	300X100	DWW 300X100 LIT M&F SWJ (M)
R22.600021.3730	375X300	DWW 375X300 LIT M&F SWJ
R22.600021.3722	375X225	DWW 375X225 LIT M&F SWJ
R22.600021.3715	375X150	DWW 375X150 LIT M&F SWJ
R22.600021.3710	375X100	DWW 375X100 LIT M&F SWJ

Note: Major diameter is a spigot & minor diameter is a socket.

STRAIGHT COUPLING SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.400011.100	100	DWW 100 COUPLING F&F SWJ (M)
R22.400011.150	150	DWW 150 COUPLING F&F SWJ
R22.400011.225	225	DWW 225 COUPLING F&F SWJ
R22.400011.300	300	DWW 300 COUPLING F&F SWJ
R22.400011.375	375	DWW 375 COUPLING F&F SWJ

SLAB REPAIR COUPLING SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.440012.100	100	DWW 100 REPAIR COUP F&F SWJ (M)
R22.440012.150	150	DWW 150 REPAIR COUP F&F SWJ (M)
R22.440012.225	225	DWW 225 REPAIR COUP F&F SWJ (M)
R22.440012.300	300	DWW 300 REPAIR COUP F&F SWJ
R22.440012.375	375	DWW 375 REPAIR COUP F&F SWJ

Note: Internal spigot at one end & spigot at the other end.

SLIP COUPLING SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.420001.100	100	DWW 100 SLIP COUPLING SWJ
R22.420001.150	150	DWW 150 SLIP COUPLING SWJ
R22.420001.225	225	DWW 225 SLIP COUPLING SWJ
R22.420001.300	300	DWW 300 SLIP COUPLING SWJ
R22.420001.375	375	DWW 375 SLIP COUPLING SWJ

DWV PVC FITTINGS SWJ

FLAP / REFLEX VALVES & EW ADAPTORS



FLAP VALVES (FROG FLAPS) SWJ F

CODE	SIZE (MM)	DESCRIPTION
R22.970011.100	100	DWV 100 FLAP VALVE (M)
R22.970011.100Z	100	DWV 100 FLAP VALVE - MOZZIE (M)
R22.970011.150	150	DWV 150 FLAP VALVE (M)
R22.970011.150Z	150	DWV 150 FLAP VALVE - MOZZIE (M)
R22.970011.225	225	DWV 225 FLAP VALVE (M)
R22.970011.225Z	225	DWV 225 FLAP VALVE - MOZZIE (M)
R22.970011.300	300	DWV 300 FLAP VALVE (M)
R22.970011.300Z	300	DWV 300 FLAP VALVE - MOZZIE (M)
R22.970011.375	375	DWV 375 FLAP VALVE



REFLUX VALVES SWJ

CODE	SIZE (MM)	DESCRIPTION
R22.980021.100	100	DWV 100 REFLUX VALVE F&F SWJ
R22.980021.150	150	DWV 150 REFLUX VALVE F&F SWJ
R22.980021.225	225	DWV 225 REFLUX VALVE M&F SWJ
R22.980021.300	300	DWV 300 REFLUX VALVE M&F SWJ
R22.980021.375	375	DWV 375 REFLUX VALVE M&F SWJ



EW SOCKET ADAPTORS

CODE	SIZE (MM)	DESCRIPTION
R22.930000.100	100	DWV 100 EW SOCK ADAPTORS
R22.930000.150	150	DWV 150 EW SOCK ADAPTORS
R22.930000.225	225	DWV 225 EW SOCK ADAPTORS
R22.930000.300	300	DWV 300 EW SOCK ADAPTORS

EW SPIGOT ADAPTORS

CODE	SIZE (MM)	DESCRIPTION
R22.940000.100	100	DWV 100 EW SPIG ADAPTORS
R22.940000.150	150	DWV 150 EW SPIG ADAPTORS
R22.940000.225	225	DWV 225 EW SPIG ADAPTORS
R22.940000.300	300	DWV 300 EW SPIG ADAPTORS

DWV PVC FITTINGS SWJ

BOUNDARY TRAPS / STUB FLANGES / ACCESS BENDS



BOUNDARY TRAPS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.960011.100	100	DWV 100 BOUNDARY TRAP F&F SWJ
R22.960011.150	150	DWV 150 BOUNDARY TRAP F&F SWJ
R22.960011.225	225	DWV 225 BOUNDARY TRAP F&F SWJ
R22.960011.300	300	DWV 300 BOUNDARY TRAP F&F SWJ



88° SIDE BACK ACCESS BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.148811.100	100	DWV 100 BEND B/ACCESS 88D F&F SWJ (M)



SIDE ACCESS BENDS SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.134511.100	100	DWV 100 BEND S/ACCESS 45D F&F SWJ (M)
R22.138811.100	150	DWV 100 BEND S/ACCESS 88D F&F SWJ (M)



DWV PVC FITTINGS RRJ (UN-GLASSED)

BENDS (ELBOWS)



15° BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.101512.100	100	A-DWV 100 BEND 15D F&F RRJ
R22.101512.150	150	B-DWV 150 BEND 15D F&F RRJ

30° BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.103012.100	100	A-DWV 100 BEND 30D F&F RRJ
R22.103012.150	150	A-DWV 150 BEN 30D F&F RRJ



45° BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.104512.100	100	A-DWV 100 BEND 45D F&F RRJ
R22.104512.150	150	A-DWV 150 BEND 45D F&F RRJ
R22.104512.225	225	A-DWV 225 BEND 45D F&F RRJ

60° BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.106012.100	100	A-DWV 100 BEND 60D F&F RRJ
R22.106012.150	150	A-DWV 150 BEND 60D F&F RRJ



88° BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.108812.100	100	A-DWV 100 BEND 88D F&F RRJ
R22.108812.150	150	A-DWV 150 BEND 88D F&F RRJ
R22.108812.225	225	A-DWV 225 BEND 88D F&F RRJ

DWV PVC FITTINGS RRJ (UN-GLASSED)

BENDS (ELBOWS)



15° BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.101522.100F	100	DWV 100 BEND 15D M&F RRJ (FAB)
R22.101522.150F	150	DWV 150 BEND 15D M&F RRJ (FAB)

30° BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.103022.100	100	A-DWV 100 BEND 30D M&F RRJ
R22.103022.150	150	A-DWV 150 BEND 30D M&F RRJ



45° BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.104522.100	100	A-DWV 100 BEND 45D M&F RRJ
R22.104522.150	150	A-DWV 150 BEND 45D M&F RRJ
R22.104522.225	225	A-DWV 225 BEND 45D M&F RRJ

60° BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.106022.100	100	A-DWV 100 BEND 60D M&F RRJ
R22.106022.150	150	A-DWV 150 BEND 60D M&F RRJ

88° BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.108822.100	100	A-DWV 100 BEND 88D M&F RRJ
R22.108822.150	150	A-DWV 150 BEND 88D M&F RRJ
R22.108822.225	225	A-DWV 225 BEND 88D M&F RRJ

DWV PVC FITTINGS RRJ (UN-GLASSED)

JUNCTIONS



45° JUNCTIONS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.204512.100	100	DWV JUNCTION EQU 45D F&F RRJ 100
R22.204512.150	150	DWV JUNCTION EQU 45D F&F RRJ 150
R22.214512.1510	150 X 100	DWV JUNCTION RED 45D F&F RRJ 150 X 100
R22.204512.225	225	DWV JUNCTION EQU 45D F&F RRJ 225
R22.214512.2215	225 X 150	DWV JUNCTION RED 45D F&F RRJ 225 X 150
R22.214512.2210	225 X 100	DWV JUNCTION RED 45D F&F RRJ 225 X 100
R22.214512.3015	300 X 150	DWV JUNCTION RED 45D F&F RRJ 300 X 150
R22.214512.3010	300 X 100	DWV JUNCTION RED 45D F&F RRJ 300 X 100

Additional sizes available



JUNCTIONS EQUAL RRJ WITH SWJ BRANCH & CAP F&F

CODE	SIZE (MM)	DESCRIPTION
R22.204514.150	150	DWV 150 JUNCT EQ 45D SWJ BR & CAP F&F RRJ
R22.204514.1510	150X100	DWV 150X100 RED JUNCT EQ 45D SWJ BR & CAP F&F RRJ
R22.208814.150	150	DWV 150 JUNCT EQ 88D SWJ BR & CAP F&F RRJ



RILEY JUNCTIONS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.298812.100	100	DWV 100 RILEY JUNCT EQU F&F RRJ
R22.298812.150	150	DWV 150 RILEY JUNCT EQU F&F RRJ



JUNCTIONS WITH SWJ BRANCH RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.298814.150	150	DWV 150 JUNCT EQU W/SWJ BRANCH F&F RRJ
R22.308814.1510	150 X 100	DWV 150X100 JUNCT RED W/SWJ BRANCH F&F RRJ

DWW PVC FITTINGS RRJ (UN-GLASSED)

JUNCTIONS / RILEY JUNCTIONS



45° JUNCTIONS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.204522.150F	150	DWW 150 JUNCT EQU 45D M&F RRJ (FAB)
R22.214422.1510	150 X 100	DWW 150X100 JUNCT RED 45D M&F RRJ



88° JUNCTIONS (RILEY) RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.298822.100	100	DWW 100 JUNCT EQU M&F RRJ
R22.298822.150	150	DWW 150 JUNCT EQU M&F RRJ
R22.298822.1510	150 X 100	DWW 150X100 JUNCT RED M&F RRJ

DWV PVC FITTINGS RRJ (UN-GLASSED)

BENDS (LONG SWEEP) UN-GLASSED



LONG SWEEP 635MM RADIUS BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.188822.150	150	DWV 150 BEND 635MM RAD 88D M&F RRJ



LONG SWEEP 1M RADIUS BENDS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.061111.150	150	DWV 150 BEND 1M RAD 11D F&F RRJ
R22.061512.150	150	DWV 150 BEND 1M RAD 15D F&F RRJ
R22.062212.150	150	DWV 150 BEND 1M RAD 22D F&F RRJ
R22.063012.150	150	DWV 150 BEND 1M RAD 30D F&F RRJ
R22.064512.150	150	DWV 150 BEND 1M RAD 45D F&F RRJ
R22.068811.225	225	DWV 150 BEND 1M RAD 90D F&F RRJ



LONG SWEEP 3M RADIUS BENDS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.160522.150	150	DWV 150 BEND 3M RAD 5D M&F RRJ
R22.161022.150	150	DWV 150 BEND 3M RAD 10D M&F RRJ
R22.161522.150	150	DWV 150 BEND 3M RAD 15D M&F RRJ
R22.162022.150	150	DWV 150 BEND 3M RAD 20D M&F RRJ
R22.162522.150	150	DWV 150 BEND 3M RAD 25D M&F RRJ
R22.163022.150	150	DWV 150 BEND 3M RAD 30D M&F RRJ
R22.163522.150	150	DWV 150 BEND 3M RAD 35D M&F RRJ
R22.164522.150	150	DWV 150 BEND 3M RAD 45D M&F RRJ

Additional angels available on request

DWW PVC FITTINGS RRJ (UN-GLASSED)

TAPERS / VERTICAL BACKDROP ASSEMBLIES / INSPECTION OPENINGS



LEVEL INVERT TAPERS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.600122.1510	150 X 100	DWW 150X100 LIT M&F RRJ
R22.600022.2215	225 X 150	DWW 225X150 LIT M&F RRJ
R22.600122.3022	300 X 225	DWW 300X225 LIT M&F RRJ



VERTICAL BACKDROP ASSEMBLIES RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.900002.100	100	DWW 100 VERTICAL B/DROP ASS M&F RRJ
R22.900002.150	150	DWW 150 VERTICAL B/DROP ASS M&F RRJ



INSPECTION OPENINGS WITH 2 CAPS F&F

CODE	SIZE (MM)	DESCRIPTION
R22.340014.100	100	DWW 100 INSPECT OPEN 2XCAP F&F RRJ/SWJ
R22.340014.150	150	DWW 150 INSPECT OPEN 2XCAP F&F RRJ/SWJ

DWV PVC FITTINGS RRJ (GLASSED)

GRP WRAPPED SEWER BENDS



GRP WRAPPED DWV SEWER BENDS 15°-90° RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.111512.100	100	DWV 100 GRP SEWER BEND 15D F&F RRJ
R22.111512.150	150	DWV 150 GRP SEWER BEND 15D F&F RRJ
R22.113012.100	100	DWV 100 GRP SEWER BEND 30D F&F RRJ
R22.113012.150	150	DWV 150 GRP SEWER BEND 30D F&F RRJ
R22.114512.100	100	DWV 100 GRP SEWER BEND 45D F&F RRJ
R22.114512.150	150	DWV 150 GRP SEWER BEND 45D F&F RRJ
R22.114512.225	225	DWV 225 GRP SEWER BEND 45D F&F RRJ
R22.116012.100	100	DWV 100 GRP SEWER BEND 60D F&F RRJ
R22.116012.150	150	DWV 150 GRP SEWER BEND 60D F&F RRJ
R22.118812.100	100	DWV 100 GRP SEWER BEND 90D F&F RRJ
R22.118812.150	150	DWV 150 GRP SEWER BEND 90D F&F RRJ
R22.118812.225	225	DWV 225 GRP SEWER BEND 90D F&F RRJ

GRP WRAPPED DWV SEWER BENDS 15°-90° RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.111522.100	100	DWV 100 GRP SEWER BEND 15D M&F RRJ
R22.111522.150	150	DWV 150 GRP SEWER BEND 15D M&F RRJ
R22.113022.100	100	DWV 100 GRP SEWER BEND 30D M&F RRJ
R22.113022.150	150	DWV 150 GRP SEWER BEND 30D M&F RRJ
R22.114522.100	100	DWV 100 GRP SEWER BEND 45D M&F RRJ
R22.114522.150	150	DWV 150 GRP SEWER BEND 45D M&F RRJ
R22.114522.225	225	DWV 225 GRP SEWER BEND 45D M&F RRJ
R22.116022.100	100	DWV 100 GRP SEWER BEND 60D M&F RRJ
R22.116022.150	150	DWV 150 GRP SEWER BEND 60D M&F RRJ
R22.118822.100	100	DWV 100 GRP SEWER BEND 90D M&F RRJ
R22.118822.150	150	DWV 150 GRP SEWER BEND 90D M&F RRJ
R22.118822.225	225	DWV 225 GRP SEWER BEND 90D M&F RRJ

DWW PVC FITTINGS RRJ (GLASSED)

GRP WRAPPED SEWER BENDS



GRP WRAPPED DWV SEWER JUNCTIONS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.284512.150	150	DWW 150 GRP D/SEWER JUNCT 45D F&F RRJ
R22.364512.1510	150 X 100	DWW 150X100 GRP D/SEWER JUNCT RED 45D F&F RRJ
R22.284512.2215	225 X 150	DWW 225X150 GRP D/SEWER JUNCT 88D F&F RRJ
R22.284512.2210	225 X 100	DWW 225X100 GRP D/SEWER JUNCT 88D F&F RRJ

Also available without GRP wrapping.



GRP WRAPPED DWV SEWER JUNCTIONS RRJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.288812.100	100	DWW 100 GRP D/SEWER JUNCT 88D F&F RRJ
R22.288812.150	150	DWW 150 GRP D/SEWER JUNCT 88D F&F RRJ
R22.368812.1510	150 X 100	DWW 150X100 GRP D/SEWER JUNCT 88D F&F RRJ



“C” TYPE DWV SEWER JUNCTIONS RRJ

CODE	SIZE (MM)	DESCRIPTION
R22.374512.100	100	DWW 100 GRP JUNCT 45D TYPE C RRJ
R22.459012.100	100	DWW 100 GRP JUNCT TYPE “C” 90D W/CAP RRJ
R22.374512.150	150	DWW 150 GRP D/SEWER JUNCT TYPE C RRJ

DWV PVC FITTINGS RRJ (GLASSED)

GRP WRAPPED CONNECTORS



GLASSED DROP JUNCTIONS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.328862.100	100	DWV 100 DROP JUNCT 88D M&F&M RRJ
R22.328862.150	150	DWV 150 DROP JUNCT 88D M&F&M RRJ
R22.328862.225	225	DWV 225 DROP JUNCT 88D M&F&M RRJ



GRP SLIP COUPLINGS RRJ

CODE	SIZE (MM)	DESCRIPTION
R22.420002.100F	100	DWV 100 SLIP COUPLING F&F RRJ (FAB)
R22.420002.150F	150	DWV 150 SLIP COUPLING F&F RRJ (FAB)
R22.420002.225F	225	DWV 225 SLIP COUPLING F&F RRJ (FAB)
R22.420002.300F	300	DWV 300 SLIP COUPLING F&F RRJ (FAB)



GRP INSPECTION OPENINGS WITH 2 CAPS F&F

CODE	SIZE (MM)	DESCRIPTION
R22.310014.100	100	DWV 100 GRP INSPECT OPEN W/2XCAP F&F RRJ/SWJ
R22.310014.150	150	DWV 150 GRP INSPECT OPEN W/2XCAP F&F RRJ/SWJ



GRP LEVEL INVERT TAPERS RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.610122.1510	150 X 100	DWV 150X100 GRP LIT M&F RRJ
R22.610122.2210	225 X 100	DWV 225X100 GRP LIT M&F RRJ
R22.610122.3022	300 X 225	DWV 300X225 GRP LIT M&F RRJ

DWV PVC FITTINGS RRJ

MANHOLE CONNECTIONS SANDED



MANHOLE SOCKET SANDED RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.720022.100	100	DWV 100 M/HOLE SOCK SANDED SN10 M&F RRJ 0.5M
R22.720022.150	150	DWV 150 M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M
R22.720022.225	225	DWV 225 M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M
R22.720022.300	300	DWV 300 M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M
R22.720022.375	375	DWV 375 M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M

Available with/without the weep.



MANHOLE SOCKET SANDED RRJ M&F - WEEP

CODE	SIZE (MM)	DESCRIPTION
R22.730022.100	100	DWV 100 GRP M/HOLE SOCK SANDED SN10 M&F RRJ 0.5M-WEEPED
R22.730022.150	150	DWV 150 GRP M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M-WEEPED
R22.730022.225	225	DWV 225 GRP M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M-WEEPED
R22.730022.300	300	DWV 300 GRP M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M-WEEPED
R22.730022.375	375	DWV 375 GRP M/HOLE SOCK SANDED SN8 M&F RRJ 0.5M-WEEPED



MANHOLE SPIGOT SANDED RRJ M&M

CODE	SIZE (MM)	DESCRIPTION
R22.750030.100	100	DWV 100 M/HOLE SPIG SANDED SN10 M&M RRJ 0.5M
R22.750030.150	150	DWV 150 M/HOLE SPIG SANDED SN8 M&M RRJ 0.5M
R22.750030.225	225	DWV 225 M/HOLE SPIG SANDED SN8 M&M RRJ 0.5M
R22.750030.300	300	DWV 300 M/HOLE SPIG SANDED SN8 M&M RRJ 0.5M
R22.750030.375	375	DWV 375 M/HOLE SPIG SANDED SN8 M&M RRJ 0.5M

DWV PVC FITTINGS RRJ

MANHOLE CONNECTIONS UNSANDED



MANHOLE SOCKET UNSANDED RRJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.760022.100	100	DWV 100 M/HOLE SOCK UNSANDED SN10 M&F RRJ 0.5M
R22.760022.150	150	DWV 150 M/HOLE SOCK UNSANDED SN8 M&F RRJ 0.5M
R22.760022.225	225	DWV 225 M/HOLE SOCK UNSANDED SN8 M&F RRJ 0.5M
R22.760022.300	300	DWV 300 M/HOLE SOCK UNSANDED SN8 M&F RRJ 0.5M
R22.760022.375	375	DWV 375 M/HOLE SOCK UNSANDED SN8 M&F RRJ 0.8M



MANHOLE DROP BENDS RRJ

CODE	SIZE (MM)	DESCRIPTION
R22.788812.100	100	DWV 100 M/HOLE DROP BEND SAND 88D M&F RRJ
R22.788812.150	150	DWV 150 M/HOLE DROP BEND SAND 88D M&F RRJ

PE PIPES

PE PIPELINE SYSTEMS

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR MISCELLANEOUS APPLICATIONS

Viadux uses a high strength PE100 Polyethylene piping system and can be used for conveying all types of liquids, slurries and gases. Some of the common applications include, mineral slurry pipelines, sewer rising mains, reuse water, effluent transportation, submarine pipelines, irrigation and mine water supply. Polyethylene is the preferred material for use in trenchless pipelines which are installed by directional drilling, slip lining and pipe bursting methods. PE100 preferred jointing method is heat fusion, therefore Butt Fusion and Electrofusion equipment is required. Polyethylene cannot be joined with adhesives or solvents.

QMS complies to requirements of ISO 9001:2016

PIPE RANGE

AS/NZS 4130:

– Polyethylene (PE) Pipes for Pressure Applications

16mm-800mm OD

PN4/SDR41* – PN25/SDR7.4

Pipe colour to suit required application (jacketed/sheathed, striped & customised)

APPLICATION	STRIPE / SHEATH
Miscellaneous	Black
Potable Water	Blue
Recycled Water	Purple
Sewer Rising Mains	Cream
Fire Mains	Red
Mining (Above ground)	White
Gravity Sewer	Grey
Electrical	Orange
Gas PE	Yellow

Note: PE pipe manufacture may be subject to minimum manufacturing quantities

* Lengths: 6m, 12m and 20m maximum.
25m - 200m coils (DN 140)

RANGE FITTINGS

- Electrofusion Couplings & Equipment
- Electrofusion & Butt Weld Spigots
 - Short (BW only)
 - Long (EF & BW)
- Fabricated
 - Segmented
 - Sweep
- Compression
 - Metric
 - Rural
- Pushfit/ Plug n Play
 - Metric

Standards Compliant: AS/NZS 4129 & AS/NZS 4130

TECHNICAL INFORMATION

Mechanical Properties

- High tensile strength with a high resistance against fast and slow crack propagation
- Very high impact strength
- High elongation to breaking

Weathering

UV Protective additives such as carbon black as specified in AS/NZS 4130 and hindered amine light stabilisers (HALS) are added to minimise degradation. The use of carbon black as an added UV stabiliser greatly assists prolonging the life of pipe exposed to Ultra Violet Light; therefore black pipes dominate general use in above ground applications. Pipes of colour other than black should be protected from direct sunlight during storage, particularly if they are to be stored for more than 2 years.

Abrasion Resistance

Excellent resistance against abrasion, therefore PE piping systems are used in numerous applications for conveying solids and slurries.

Chemical Resistance

Please consult your Viadux Customer Service Representative.

STANDARDS

Viadux is committed to total quality management; this is reinforced by the following accreditations:-

StandardsMark Licence

WaterMark Certificate

ISO 9001:2008

Water Services Association of Australia (WSAA) Product Appraisal Report





PE PIPELINE SYSTEMS

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR MISCELLANEOUS APPLICATIONS

INSTALLATION

Standards typically used for the installation of PE pipe systems include, but are not limited to:

AS/NZS 2566 'Buried Flexible Pipelines – Part 1: Design and Part 2: Installation'.

AS/NZS 2566 Supplement 'Buried Flexible Pipelines – Part 1 Structural Design – Commentary'

AS/NZS 2033 Installation of Polyethylene Pipe System

AS/NZS 3500 Plumbing and Drainage

WORKING TEMPERATURE

The Maximum Allowable Operating Pressure (MAOP) of a Polyethylene (PE) pipe system is influenced by the temperature of the pipe wall. The nominal pressure rating (PN) assigned to an AS/NZS 4130 PE pipe equates to performance at 20°C, i.e. a PN 16 pipe is capable of withstanding a MAOP of 160m head (1.6MPa or 16 bar pressure) when operating continuously at a uniform wall temperature of 20°C. In situations where the temperature of the pipe wall increases, the MAOP of the pipe is reduced. Therefore the Polyethylene pipe system will be required to be re-rated with the increasing temperature.

PACKAGING, HANDLING AND STORAGE

Polyethylene (PE) pipe is tough and resilient. However its relative lightness can be deceptive when considering the safety aspects of moving and handling. It can also be damaged by excessive scuffing or gouging of ends, external and internal surfaces during loading, unloading and transfer operations.

Transport

PE pipes should be transported on a flat-bed, container or curtain-side type vehicle, free from sharp objects and any projections. Care should be taken to ensure the size, shape, weight and centre of gravity are such that the stability and security of the load is not compromised throughout the transport journey. Furthermore, nothing should be placed on top of PE pipes during transport which could cause the pipe to deform.

Loading and Unloading

Wide slings should be used to lift pipe bundles by crane. Chains, hooks or wire rope slings should not be used since they can slip and gouge or abrade the pipe surface. Strapping or banding straps used to retain packs and bundles must not be used for lifting or handling. Allowance should be made for deflection or bending of pipes during all loading and unloading operations.

Depending on the terrain, standard forklifts can generally be used for lengths up to 6m. If a forklift is used, contact points must be protected from damage and forklift tines must not be inserted between the windings of the coils. Longer lengths should be lifted and moved by equipment fitted with loadspreading beams or attachments. Cranes or Hiabs can be efficient and safe provided precautions are made for correct slinging of the load and operation of the equipment. Larger diameter pipes (e.g. 355mm OD and over) should be handled individually. These are generally less stable than bundled lengths and will move freely unless adequately restrained.

Pipes which have been held or restrained in bundles or singly by strapping or banding etc. during storage, handling and transportation will hold considerable amounts of stored energy. Thermal expansion and contraction contributes to the amount and the direction of the stored energy. This stored energy can be hazardous if released incorrectly.

Storage

Pipe should not be stored in direct contact with the ground. Timber battens or other suitable means should be placed under the pipe in uniform spacing. Stack height should be limited to prevent pipe from losing shape due to imposed loads. Nothing should be placed on top of PE pipes during storage which could cause pipe to deform. Pipe stacks should be pegged, chocked or otherwise secured to prevent pipes rolling or falling.

Bundled packs should be stacked so that their packaging battens are in line with each other. This will facilitate easy access by the forklift truck or side loader. Where battens are not aligned additional rigid dunnage should be placed between bundles. Coils can be stored flat on a solid flat surface or in a near vertical position to prevent distortion.

Impact, abrasion and contact with hot surfaces such as vehicle exhausts can damage pipes and pipe ends. Covered storage should be considered if prolonged exposure to direct sunlight is envisaged as well as storage away from sources of direct heat or fire. Pipe should not be stored where there is a possibility of contact with chemicals (e.g. lubricating/hydraulic oils, solvents, conditioning fluids etc). Pipe which has been heavily contaminated with such substances should be scrapped.

PE PIPELINE SYSTEMS

METRIC PE100 STANDARD DIMENSION RATIOS

SDR 41- PN4

OD	MEAN BORE	S	KG /M
20	-	-	-
25	-	-	-
32	-	-	-
40	-	-	-
50	-	-	-
63	-	-	-
75	-	-	-
90	-	-	-
110	105	2.9	1.0
125	119	3.4	1.3
140	133	3.8	1.7
160	152	4.3	2.1
180	171	4.7	2.7
200	191	5.2	3.3
225	214	5.9	4.1
250	238	6.6	5.2
280	267	7.3	6.4
315	300	8.2	8.0
355	338	9.2	10.2
400	380	10.4	12.9
450	429	11.6	16.2
500	476	13.0	20.3
560	534	14.5	25.2
630	600	16.3	31.9
710	677	18.4	40.5
800	762	20.7	51.4

SDR 26 - PN6.3

OD	MEAN BORE	S	KG /M
20	-	-	-
25	-	-	-
32	-	-	-
40	-	-	-
50	-	-	-
63	58	2.6	0.5
75	69	3.1	0.7
90	83	3.8	1.0
110	101	4.6	1.6
125	115	5.1	2.0
140	129	5.8	2.5
160	148	6.6	3.3
180	166	7.3	4.0
200	185	8.2	5.0
225	208	9.1	6.3
250	231	10.2	7.8
280	259	11.3	9.7
315	291	12.8	12.4
355	328	14.4	15.6
400	370	16.2	19.8
450	416	18.2	25.0
500	462	20.2	30.9
560	517	22.6	38.7
630	582	25.4	49.0
710	656	28.7	62.2
800	739	32.2	78.8

SDR 21 - PN8

OD	MEAN BORE	S	KG /M
20	-	-	-
25	-	-	-
32	29	1.8	0.2
40	36	2.1	0.3
50	45	2.6	0.4
63	58	2.6	0.5
75	69	3.1	0.7
90	83	3.8	1.0
110	101	4.6	1.6
125	115	5.1	2.0
140	129	5.8	2.5
160	148	6.6	3.3
180	166	7.3	4.0
200	185	8.2	5.0
225	208	9.1	6.3
250	231	10.2	7.8
280	259	11.3	9.7
315	291	12.8	12.4
355	328	14.4	15.6
400	370	16.2	19.8
450	416	18.2	25.0
500	462	20.2	30.9
560	517	22.6	38.7
630	582	25.4	49.0
710	656	28.7	62.2
800	739	32.2	78.8

SDR 17 - PN10

OD	MEAN BORE	S	KG /M
20	-	-	-
25	22	1.8	0.1
32	28	2.1	0.2
40	35	2.6	0.3
50	44	3.2	0.5
63	55	4.1	0.8
75	66	4.8	1.1
90	79	5.8	1.6
110	97	7.0	2.3
125	110	7.9	2.9
140	123	8.8	3.7
160	141	10.1	4.8
180	158	11.3	6.1
200	176	12.6	7.5
225	198	14.2	9.5
250	220	15.6	11.7
280	246	17.5	14.6
315	277	19.7	18.5
355	311	22.3	23.6
400	352	25.0	29.8
450	396	28.1	37.7
500	440	31.2	46.5
560	493	35.0	58.4
630	554	39.3	73.8
710	625	44.3	93.8
800	704	49.9	118.9

S = mean wall thickness

PE PIPELINE SYSTEMS

METRIC PE100 STANDARD DIMENSION RATIOS

SDR 13.6 – PN12.5

OD	MEAN BORE	S	KG /M
20	17	1.8	0.1
25	21	2.1	0.2
32	27	2.6	0.2
40	34	3.2	0.4
50	42	4.0	0.6
63	53	5.0	0.9
75	64	5.9	1.3
90	76	7.0	1.9
110	93	8.6	2.8
125	106	9.8	3.6
140	119	10.9	4.5
160	136	12.5	5.9
180	153	14.1	7.4
200	170	15.5	9.1
225	191	17.5	11.6
250	212	19.4	14.3
280	238	21.7	17.8
315	268	24.5	22.6
355	302	27.5	28.7
400	340	31.0	36.3
450	382	34.9	46.0
500	425	38.7	56.7
560	476	43.4	71.2
630	535	48.7	90.0
710	603	54.9	114.3
800	680	61.8	144.9

SDR 11 – PN16

OD	MEAN BORE	S	KG /M
20	16	2.1	0.1
25	20	2.5	0.2
32	26	3.1	0.3
40	32	4.0	0.5
50	40	4.9	0.7
63	51	6.2	1.1
75	61	7.2	1.6
90	73	8.7	2.3
110	89	10.6	3.3
125	102	12.1	4.3
140	114	13.4	5.4
160	130	15.4	7.1
180	146	17.3	9.0
200	163	19.2	11.1
225	183	21.6	14.0
250	203	23.9	17.2
280	228	26.8	21.5
315	256	30.1	27.3
355	289	33.9	34.6
400	325	38.2	43.9
450	366	43.0	55.6
500	407	47.8	68.6
560	456	53.4	85.9
630	513	60.2	108.9
710	578	67.8	138.2
800	651	76.3	175.3

SDR9 – PN20

OD	MEAN BORE	S	KG /M
20	15	2.5	0.1
25	19	3.0	0.2
32	24	3.9	0.3
40	31	4.8	0.5
50	38	6.0	0.8
63	48	7.6	1.3
75	58	8.9	1.9
90	69	10.7	2.7
110	85	13.0	4.0
125	96	14.8	5.2
140	108	16.6	6.5
160	123	18.9	8.5
180	138	21.2	10.7
200	154	23.6	13.2
225	173	26.5	16.7
250	192	29.4	20.6
280	215	33.0	25.9
315	242	37.1	32.7
355	273	41.7	41.4
400	308	47.0	52.6
450	346	52.8	66.5
500	385	58.7	82.1
560	430	65.7	103.0
630	484	73.9	130.3
710	547	83.4	165.6
800	616	93.9	210.1

SDR/PN CONVERSIONS FOR PE80 AND PE100

SDR	41	33	26	21	17	13.6	11	9	7.4
PE80	PN3.2	PN4	–	PN6.3	PN8	PN10	PN12.5	PN16	PN20
PE100	PN4	–	PN6.3	PN8	PN10	PN12.5	PN16	PN20	PN25

PE BLACK PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR MISCELLANEOUS APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Black is a solid walled pipe manufactured to AS/NZS 4130 for miscellaneous pressure applications.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

PE100 BLACK - PN4-PN6.3

SIZE (MM)	LENGTH	CODE	
		PN4	PN6.3
40	50M		
40	150M		
50	50M		
50	150M		
63	6M		
63	50M		
63	100M		
75	6M		
75	12M		
75	100M		
90	6M		
90	12M		
90	50M		
90	100M		
110	6M		
110	12M		
110	100M		
125	6M		
125	12M		
140	12M		
160	12M	P1311.005.160	P1312.005.160
180	12M	P1311.005.180	P1312.005.180
200	12M	P1311.005.200	P1312.005.200
225	12M	P1311.005.225	P1312.005.225
250	12M	P1311.005.250	P1312.005.250
258	12M	P1311.005.280	P1312.005.280
315	12M	P1311.005.315	P1312.005.315
355	12M	P1311.005.355	P1312.005.355
400	12M	P1311.005.400	P1312.005.400
450	12M	P1311.005.450	P1312.005.450
500	12M	P1311.005.500	P1312.005.500
560	12M	P1311.005.560	P1312.005.560
630	12M	P1311.005.630	P1312.005.630
710	12M		
800	12M		

Other lengths available upon request, subject to manufacturing volumes

PE BLACK PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR MISCELLANEOUS APPLICATIONS

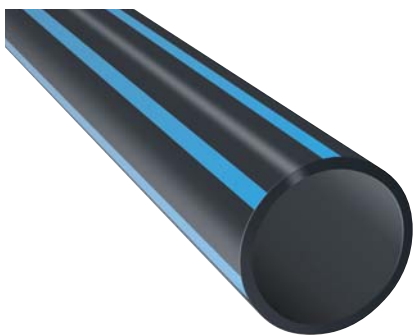
PE100 BLACK - PN8-PN20

SIZE (MM)	LENGTH	CODE				
		PN8	PN10	PN12.5	PN16	PN20
40	50M				P1316.008.040	
40	150M				P1316.010.040	
50	50M				P1316.008.050	
50	150M				P1316.010.050	
63	6M				P1316.003.063	
63	50M				P1316.008.063	
63	100M				P1316.009.063	
75	6M				P1316.003.075	
75	12M				P1316.005.075	
75	100M				P1316.009.075	
90	6M				P1316.003.090	
90	12M	P1313.005.090	P1314.005.090	P1315.005.090	P1316.005.090	
90	50M				P1316.008.090	
90	100M				P1316.009.090	
110	6M				P1316.003.110	
110	12M	P1313.005.110	P1314.005.110	P1315.005.110	P1316.005.110	P1317.005.110
110	100M				P1316.009.110	
125	6M				P1316.003.125	
125	12M	P1313.005.125	P1314.005.125	P1315.005.125	P1316.005.125	P1317.005.125
140	12M	P1313.005.140	P1314.005.140	P1315.005.140	P1316.005.140	P1317.005.140
160	12M	P1313.005.160	P1314.005.160	P1315.005.160	P1316.005.160	P1317.005.160
180	12M	P1313.005.180	P1314.005.180	P1315.005.180	P1316.005.180	P1317.005.180
200	12M	P1313.005.200	P1314.005.200	P1315.005.200	P1316.005.200	P1317.005.200
225	12M	P1313.005.225	P1314.005.225	P1315.005.225	P1316.005.225	P1317.005.225
250	12M	P1313.005.250	P1314.005.250	P1315.005.250	P1316.005.250	P1317.005.250
258	12M	P1313.005.280	P1314.005.280	P1315.005.280	P1316.005.280	P1317.005.280
315	12M	P1313.005.315	P1314.005.315	P1315.005.315	P1316.005.315	P1317.005.315
355	12M	P1313.005.355	P1314.005.355	P1315.005.355	P1316.005.355	P1317.005.355
400	12M	P1313.005.400	P1314.005.400	P1315.005.400	P1316.005.400	P1317.005.400
450	12M	P1313.005.450	P1314.005.450	P1315.005.450	P1316.005.450	P1317.005.450
500	12M	P1313.005.500	P1314.005.500	P1315.005.500	P1316.005.500	P1317.005.500
560	12M	P1313.005.560	P1314.005.560	P1315.005.560	P1316.005.560	P1317.005.560
630	12M	P1313.005.630	P1314.005.630	P1315.005.630	P1316.005.630	P1317.005.630
710	12M	P1313.005.710	P1314.005.710	P1315.005.710	P1316.005.710	P1317.005.710
800	12M	P1313.005.800	P1314.005.800	P1315.005.800	P1316.005.800	P1317.005.800

Other lengths available upon request, subject to manufacturing volumes

PE BLUE STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR POTABLE WATER APPLICATIONS



PE 100 BLUE STRIPE - PN8-PN10

SIZE (MM)	LENGTH	CODE	
		PN8	PN10
16	300M		
20	25M		
20	50M		
20	200M		
25	6M		
25	25M		
25	50M		
25	200M		P1224.011.025
32	6M		
32	25M		
32	50M		
32	100M		
32	200M	P1223.011.032	P1224.011.032
40	25M		
40	50M		
40	150M	P1223.010.040	P1224.010.040
50	12M		
50	25M		
50	50M		
50	150M	P1223.010.050	P1224.010.050
50	300M	P1223.012.050	
63	6M		
63	12M		
63	50M		
63	100M	P1223.009.063	P1224.009.063
63	200M	P1223.011.063	
75	100M	P1223.009.075	P1224.009.075
90	12M		
90	100M	P1223.009.090	P1224.009.090
110	12M	P1223.005.110	
110	50M		
110	100M	P1223.009.110	P1224.009.110
125	12M	P1223.005.125	P1224.005.125
125	100M	P1223.009.125	P1224.009.125
140	12M	P1223.005.140	P1224.005.140
140	100M		
160	12M	P1223.005.160	P1224.005.160
180	12M		
200	12M		
225	12M		
250	12M		
280	12M		
315	12M		
355	12M		
400	12M		
450	12M		
500	12M		
560	12M		
630	12M		
710	12M		
800	12M		

FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Blue Stripe is a solid walled pipe manufactured to AS/NZS 4130 for pressure potable water applications. The pipe features blue coloured stripes around the circumference to provide identification.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

Other lengths available upon request, subject to manufacturing volumes

PE BLUE STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR POTABLE WATER APPLICATIONS

PE 100 BLUE STRIPE - PN12.5-PN20

SIZE (MM)	LENGTH	CODE		
		PN12.5	PN16	PN20
16	300M		P1226.012.016	
20	25M	P1225.007.020	P1226.007.020	
20	50M	P1225.008.020	P1226.008.020	
20	200M	P1225.011.020	P1226.011.020	
25	6M		P1226.003.025	
25	25M	P1225.007.025	P1226.007.025	
25	50M	P1225.008.025	P1226.008.025	
25	200M	P1225.011.025	P1226.011.025	
32	6M		P1226.003.032	
32	25M	P1225.007.032	P1226.007.032	
32	50M	P1225.008.032	P1226.008.032	
32	100M	P1225.009.032		
32	200M	P1225.011.032	P1226.011.032	
40	25M	P1225.007.040	P1226.007.040	
40	50M	P1225.008.040	P1226.008.040	
40	150M	P1225.010.040	P1226.010.040	
50	12M		P1226.005.050	
50	25M	P1225.007.050	P1226.007.050	
50	50M	P1225.008.050	P1226.008.050	
50	150M	P1225.010.050	P1226.010.050	
50	300M			
63	6M		P1226.003.063	
63	12M		P1226.005.063	
63	50M	P1225.008.063	P1226.008.063	
63	100M	P1225.009.063	P1226.009.063	
63	200M			
75	100M	P1225.009.075	P1226.009.075	
90	12M		P1226.005.090	
90	100M	P1225.011.090	P1226.009.090	
110	12M	P1225.005.110	P1226.005.110	P1227.005.110
110	50M	P1225.008.110		
110	100M	P1225.009.110	P1226.009.110	
125	12M	P1225.005.125	P1226.005.125	P1227.005.125
125	100M	P1225.009.125	P1226.009.125	
140	12M	P1225.005.140	P1226.005.140	P1227.005.140
140	100M	P1225.009.140	P1226.009.140	
160	12M	P1225.005.160	P1226.005.160	P1227.005.160
180	12M	P1225.005.180	P1226.005.180	P1227.005.180
200	12M	P1225.005.200	P1226.005.200	P1227.005.200
225	12M	P1225.005.225	P1226.005.225	P1227.005.225
250	12M	P1225.005.250	P1226.005.250	P1227.005.250
280	12M	P1225.005.280	P1226.005.280	P1227.005.280
315	12M	P1225.005.315	P1226.005.315	P1227.005.315
355	12M	P1225.005.355	P1226.005.355	P1227.005.355
400	12M	P1225.005.400	P1226.005.400	P1227.005.400
450	12M	P1225.005.450	P1226.005.450	P1227.005.450
500	12M	P1225.005.500	P1226.005.500	P1227.005.500
560	12M	P1225.005.560	P1226.005.560	P1227.005.560
630	12M	P1225.005.630	P1226.005.630	P1227.005.630
710	12M	P1225.005.710	P1226.005.710	P1227.005.710
800	12M	P1225.005.800	P1226.005.800	P1227.005.800

Other lengths available upon request, subject to manufacturing volumes

PE PURPLE STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR RECYCLED WATER APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Purple Stripe is a solid walled pipe manufactured to AS/NZS 4130 for recycled water applications. The pipe features purple coloured stripes around the circumference to provide identification.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

PE100 PURPLE STRIPE - PN12.5-PN16

SIZE (MM)	LENGTH	CODE	
		PN12.5	PN16
25	6M		P1266.003.025
25	25M	P1265.007.025	
25	50M	P1265.008.025	
25	200M	P1265.011.025	P1266.011.025
32	6M		P1266.003.032
32	200M	P1265.011.032	P1266.011.032
40	150M	P1265.010.040	P1266.010.040
50	50M	P1265.008.050	
50	150M	P1265.010.050	P1266.010.050
63	6M		P1266.003.063
63	100M	P1265.009.063	P1266.009.063
75	100M	P1265.009.075	P1266.009.075
90	6M		P1266.003.090
90	12M	P1265.005.090	P1266.005.090
90	100M	P1265.009.090	P1266.009.090
110	100M	P1265.009.110	P1266.009.110
125	12M	P1265.005.125	P1266.005.125
125	100M	P1265.009.125	P1266.009.125
140	12M	P1265.005.140	P1266.005.140
140	50M	P1265.008.140	
140	100M		P1266.009.140
160	12M	P1265.005.160	P1266.005.160
180	12M	P1265.005.180	P1266.005.180
200	12M	P1265.005.200	P1266.005.200
225	12M	P1265.005.225	P1266.005.225
250	12M	P1265.005.250	P1266.005.250
280	12M	P1265.005.280	P1266.005.280
315	12M	P1265.005.315	P1266.005.315
355	12M	P1265.005.355	P1266.005.355
400	12M	P1265.005.400	P1266.005.400
450	12M	P1265.005.450	P1266.005.450
500	12M	P1265.005.500	P1266.005.500
560	12M	P1265.005.560	P1266.005.560
630	12M	P1265.005.630	P1266.005.630
710	12M	P1265.005.710	P1266.005.710
800	12M	P1265.005.800	P1266.005.800

Other lengths available upon request, subject to manufacturing volumes

PE CREAM STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR SEWER RISING MAIN APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Cream Stripe is a solid walled pipe manufactured to AS/NZS 4130 for sewer rising main applications. The pipe features cream coloured stripes around the circumference to provide identification.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

PE100 CREAM STRIPE - PN12.5-PN16

SIZE (MM)	LENGTH	CODE	
		PN12.5	PN16
40	50M		P1296.008.040
40	150M		P1296.010.040
50	50M		P1296.008.050
50	150M		P1296.010.050
63	50M		P1296.008.063
63	100M		P1296.009.063
75	100M		P1296.009.075
90	12M		P1296.008.090
90	50M		P1296.009.090
90	100M		P1296.005.090
110	12M	P1295.005.110	P1296.009.110
110	100M		P1296.005.110
125	12M	P1295.005.125	P1296.005.125
140	12M	P1295.005.140	P1296.005.140
160	12M	P1295.005.160	P1296.005.160
180	12M	P1295.005.180	P1296.005.180
200	12M	P1295.005.200	P1296.005.200
225	12M	P1295.005.225	P1296.005.225
250	12M	P1295.005.250	P1296.005.250
280	12M	P1295.005.280	P1296.005.280
315	12M	P1295.005.315	P1296.005.315
355	12M	P1295.005.355	P1296.005.355
400	12M	P1295.005.400	P1296.005.400
450	12M	P1295.005.450	P1296.005.450
500	12M	P1295.005.500	P1296.005.500
560	12M	P1295.005.560	P1296.005.560
630	12M	P1295.005.630	P1296.005.630
710	12M	P1295.005.710	P1296.005.710
800	12M	P1295.005.800	P1296.005.800

Other lengths available upon request, subject to manufacturing volumes

PE YELLOW STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR GAS MAIN APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Lightweight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Yellow Stripe is a solid walled pipe manufactured to AS/NZS 4130 for gas main applications. The pipe features yellow coloured striped around the circumference to provide identification.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

HDPE GAS YELLOW STRIPE - PN16

CODE	SDR	PE RATING	SIZE (MM)	LENGTH(M)	UNIT
1407725	11	100	63	50	COIL
700296	11	100	63	6	LENGTH
1407741	11	100	50	100	COIL
1403301	11	100	63	7	LENGTH
1407359	11	100	63	100	COIL
1407727	11	100	63	100	COIL
1407742	11	100	90	110	COIL
1407743	11	100	110	110	COIL
1432038	11	100	125	100	COIL
1407733	11	100	50	7	LENGTH
1407734	11	100	90	7	LENGTH
1407732	11	100	90	12	LENGTH
1407744	11	100	110	6	LENGTH
1407730	11	100	110	12	LENGTH
1407745	11	100	125	6	LENGTH
1407726	11	100	125	12	LENGTH
1407731	11	100	180	12	LENGTH

PE RED STRIPE PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR FIRE RING MAIN APPLICATIONS



PE100 RED STRIPE - PN16

SIZE (MM)	LENGTH	CODE
		PN12.5
90	12M	P1236.005.090
110	12M	P1236.005.110
125	12M	P1236.005.125
140	12M	P1236.005.140
160	12M	P1236.005.160
180	12M	P1236.005.180
200	12M	P1236.005.200
225	12M	P1236.005.225
250	12M	P1236.005.250
280	12M	P1236.005.280
315	12M	P1236.005.315
355	12M	P1236.005.355
400	12M	P1236.005.400
450	12M	P1236.005.450
500	12M	P1236.005.500
560	12M	P1236.005.560
630	12M	P1236.005.630
710	12M	P1236.005.710
800	12M	P1236.005.800

Other lengths available upon request, subject to manufacturing volumes

FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction

GENERAL APPLICATION

Red Stripe is a solid walled pipe manufactured to AS/NZS 4130 for fire ring main applications. The pipe features red coloured stripes around the circumference to provide identification.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

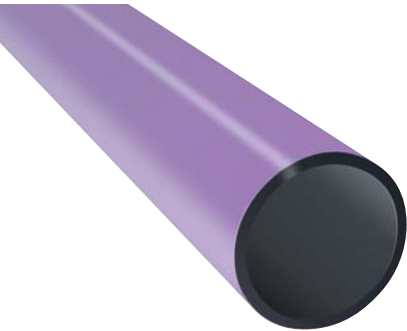
Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

PE PURPLE JACKET PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR RECYCLED WATER APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Coextrusion
- Long life
- Trenchless construction

GENERAL APPLICATION

Purple Jacket is a coextruded pipe manufactured to AS/NZS 4130 for recycled water applications. The pipe features a purple coloured identification layer and is suitable for use in recycled water applications.

TECHNICAL DATA

Temperature Range

-30°C to +60°C

Joining Methods

Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

Standard

AS/NZS 4130

PE 100 PURPLE JACKET - PN8

SIZE (MM)	LENGTH	CODE
		PN8
25	25M	
25	50M	
25	100M	
25	200M	
32	50M	P1763.008.032
32	100M	P1763.009.032
32	200M	P1765.011.032
40	25M	P1765.007.040
40	50M	
40	150M	
50	25M	P1765.007.050
50	50M	
50	150M	
63	50M	
63	100M	
75	100M	
90	12M	
90	100M	
110	12M	
110	100M	
125	12M	
125	100M	
140	12M	
140	100M	
160	12M	
180	12M	
200	12M	
225	12M	
250	12M	
280	12M	
315	12M	
355	12M	
400	12M	
450	12M	
500	12M	
560	12M	
630	12M	
710	12M	
800	12M	

Other lengths available upon request, subject to manufacturing volumes

PE 100 PURPLE JACKET - PN10-PN16

SIZE (MM)	LENGTH	CODE		
		PN10	PN12.5	PN16
25	25M	P1764.007.025	P1765.007.025	
25	50M	P1764.008.025	P1765.008.025	P1766.008.025
25	100M	P1764.009.025	P1765.009.025	
25	200M		P1765.011.025	P1766.011.025
32	50M			
32	100M			
32	200M		P1765.011.032	P1766.011.032
40	25M			
40	50M			P1766.008.040
40	150M		P1765.010.040	P1766.010.040
50	25M			
50	50M		P1765.008.050	P1766.008.050
50	150M		P1765.010.050	P1766.010.050
63	50M			P1766.008.063
63	100M		P1765.009.063	P1766.009.063
75	100M		P1765.009.075	P1766.009.075
90	12M		P1765.005.090	
90	100M		P1765.009.090	P1766.009.090
110	12M		P1765.005.110	
110	100M		P1765.009.110	P1766.009.110
125	12M		P1765.005.125	P1766.005.125
125	100M			P1766.009.125
140	12M		P1765.005.140	P1766.005.140
140	100M			P1766.009.140
160	12M		P1765.005.160	P1766.005.160
180	12M		P1765.005.180	P1766.005.180
200	12M		P1765.005.200	P1766.005.200
225	12M		P1765.005.225	P1766.005.225
250	12M		P1765.005.250	P1766.005.250
280	12M		P1765.005.280	P1766.005.280
315	12M		P1765.005.315	P1766.005.315
355	12M		P1765.005.355	P1766.005.355
400	12M		P1765.005.400	P1766.005.400
450	12M		P1765.005.450	P1766.005.450
500	12M		P1765.005.500	P1766.005.500
560	12M		P1765.005.560	P1766.005.560
630	12M		P1765.005.630	P1766.005.630
710	12M		P1765.005.710	P1766.005.710
800	12M		P1765.005.800	P1766.005.800

Other lengths available upon request, subject to manufacturing volumes

PE NUSEWER PIPE

METRIC PE100 PIPE DESIGNED AND MANUFACTURED TO AS/NZS 4130 FOR GRAVITY SEWER APPLICATIONS



FEATURES

- Corrosion resistant
- Chemical resistant
- Smooth bore
- Abrasion resistant
- Weather resistant
- High flow rate
- Light weight for easy installation
- Flexible
- High impact strength
- Long life
- Trenchless construction
- No joint infiltration
- No root penetration
- Low residual slime growth
- Light bore for easy inspection

GENERAL APPLICATION

NUSEWER is a coextruded pipe manufactured to AS/NZS 4130 for sewer applications complete with grey coloured stripes around the circumference to provide identification. NUSEWER also features a non-light scattering bore to provide superior clarity for inspection purposes.

TECHNICAL DATA

- Temperature Range** -30°C to +60°C
- Joining Methods** Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings
- Standard** AS/NZS 4130

PE 100 NUSEWER - PN8-PN10

SIZE (MM)	LENGTH	CODE	
		PN8	PN10
110	6M	P112Z3.003.110	P112Z4.003.110
110	12M	P112Z3.005.110	P112Z4.005.110
160	6M	P112Z3.003.160	P112Z4.003.160
160	12M	P112Z3.005.160	P112Z4.005.160
250	12M	P112Z3.005.250	P112Z4.005.250
315	12M	P112Z3.005.315	P112Z4.005.315
355	12M	P112Z3.005.355	P112Z4.005.355
400	12M	P112Z3.005.400	P112Z4.005.400
450	12M	P112Z3.005.450	P112Z4.005.450
500	12M	P112Z3.005.500	P112Z4.005.500
560	12M	P112Z3.005.560	P112Z4.005.560
630	12M	P112Z3.005.630	P112Z4.005.630

Other lengths available upon request, subject to manufacturing volumes

PE 100 NUSEWER - PN12.5-PN16

SIZE (MM)	LENGTH	CODE	
		PN12.5	PN16
110	6M	P12Z5.003.110	P12Z6.003.110
110	12M	P12Z5.005.110	P12Z6.005.110
160	6M	P12Z5.003.160	P12Z6.003.160
160	12M	P12Z5.005.160	P12Z6.005.160
250	12M	P12Z5.005.250	P12Z6.005.250
315	12M	P12Z5.005.315	P12Z6.005.315
355	12M	P12Z5.005.355	P12Z6.005.355
400	12M	P12Z5.005.400	P12Z6.005.400
450	12M	P12Z5.005.450	P12Z6.005.450
500	12M	P12Z5.005.500	P12Z6.005.500
560	12M	P12Z5.005.560	P12Z6.005.560
630	12M	P12Z5.005.630	P12Z6.005.630

Other lengths available upon request, subject to manufacturing volumes

PE DRAINFLO PIPE

PE PIPE DESIGNED AND MANUFACTURED TO AS 2439.1 FOR SUBSOIL DRAINAGE APPLICATIONS



DRAINFLO – UNSLOTTED

CODE	SIZE (MM)	DESCRIPTION	LENGTH
PDU13.020.065	65	DRAINFLO UNSLOTTED BLK SN8	20M
PDU13.009.065	65	DRAINFLO UNSLOTTED BLK SN8	100M
PDU13.011.065	65	DRAINFLO UNSLOTTED BLK SN8	200M
PDU13.020.100	100	DRAINFLO UNSLOTTED BLK SN8	20M
PDU13.009.100	100	DRAINFLO UNSLOTTED BLK SN8	100M
PDU17.020.100	100	DRAINFLO UNSLOTTED BLK SN20	20M
PDU17.011.100	100	DRAINFLO UNSLOTTED BLK SN20	100M
PDU11.020.160	160	DRAINFLO UNSLOTTED BLK SN4	20M
PDU11.021.160	160	DRAINFLO UNSLOTTED BLK SN4	60M

FEATURES

- Corrosion resistant
- Weather resistant
- Environmental Friendly
- Light weight for easy installation
- Flexible
- Strong corrugated profile
- Uniform drainage of the soil

GENERAL APPLICATION

Drainflo is a polyethylene subsoil drainage system manufactured to AS 2439.1 for drainage applications. The corrugated profile and uniform pattern of inlets provide even and efficient drainage along the lengths of the pipe.

TECHNICAL DATA

Jointing Method

Drainflo fittings

Classification System

SN4 = Class 200

– Surface land drainage. Pipe is manufactured from HDPE

SN8 = Class 400

– Ideal for road, civil engineering and agricultural drainage applications. Pipe is manufactured from HDPE

SN20 = Class 1000

– Works that are subject to heavy vehicle traffic. Pipe is manufactured from PVC

Standard

AS 2439.1

DRAINFLO – SLOTTED

CODE	SIZE (MM)	DESCRIPTION	LENGTH
PDV13.020.065	65	DRAINFLO SLOTTED BLK SN8	20M
PDV13.009.065	65	DRAINFLO SLOTTED BLK SN8	100M
PDV13.011.065	65	DRAINFLO SLOTTED BLK SN8	200M
PDV13.020.100	100	DRAINFLO SLOTTED BLK SN8	20M
PDV13.008.100	100	DRAINFLO SLOTTED BLK SN8	50M
PDV13.009.100	100	DRAINFLO SLOTTED BLK SN8	100M
PDV17.020.100	100	DRAINFLO SLOTTED BLK SN20	20M
PDV17.009.100	100	DRAINFLO SLOTTED BLK SN20	100M
PDV11.020.160	160	DRAINFLO SLOTTED BLK SN4	20M
PDV11.021.160	160	DRAINFLO SLOTTED BLK SN4	60M

DRAINFLO – RTA FILTERSOCK

CODE	SIZE (MM)	DESCRIPTION	LENGTH
PDW13.020.065	65	DRAINFLO RTA F-SOCK BLK SN8	20M
PDW13.009.065	65	DRAINFLO RTA F-SOCK BLK SN8	100M
PDW13.020.100	100	DRAINFLO RTA F-SOCK BLK SN8	20M
PDW13.009.100	100	DRAINFLO RTA F-SOCK BLK SN8	100M
PDW17.009.100	100	DRAINFLO RTA F-SOCK BLK SN20	100M
PDW17.020.065	100	DRAINFLO RTA F-SOCK BLK SN20	20M
PDW17.009.065	100	DRAINFLO RTA F-SOCK BLK SN20	100M
PDW11.020.160	160	DRAINFLO RTA F-SOCK BLK SN4	20M
PDW11.021.160	160	DRAINFLO RTA F-SOCK BLK SN4	60M

Other lengths available upon request, subject to manufacturing volumes

PE FITTINGS

- Compression
- Electrofusion
- Push-Fit

PHILMAC® PE METRIC COMPRESSION FITTINGS

PHILMAC METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129

Philmac Metric Fittings are designed to comply with the requirements of the following standards:

AS/NZS4129 & ISO14236 – Fittings for polyethylene pressure pipe systems.

AS/NZS 4020 – Products for use in contact with water intended for human consumption with regards to their effect on the quality of water.

Product range:

DN16-DN110mm, for all common pipe fittings associated with pressure applications.

STANDARDS

AS3688 Water supply - copper and copper alloy body compression and capillary fittings and threaded-end connectors.

ISO7.1 & BS21 Pipe threads where pressure joints are made on the threads.

PE Pipes - AS/NZS4130, ISO4427 EN12201 (formally BS6572 & BS6730) Polyethylene pipes for pressure applications.

Copper Pipes - AS1432 Copper tubes for plumbing, gas fitting and drainage applications.

Note: Philmac Metric Fittings are also suitable for use with pipes manufactured according to standards.

SYSTEM DESIGN CONSIDERATIONS

There are generally two types of PE pipe fittings; mechanical and thermofusion. Philmac Metric Fittings are a range of mechanical fittings that offers three distinct advantages over thermofusion fittings;

- More economical
- Quick and easy installation
- Quick and easy revision to installation

This section highlights engineering considerations when designing a PE pipe system with Philmac Metric Fittings.

Projected life of Compression fittings

Whilst Philmac Metric Fittings conform to institutionalised specifications written to have a minimum life of 50 years, Philmac compression fittings are intentionally developed to exceed the expectations of these specifications.

Head losses

The following table offers a guide in estimating head losses in PE pipe systems based on the conveyance of water.

Use the following formula to estimate this head loss;

$L = F \times D$; where

F = fitting constant

D = pipe inner diameter (m)

L = head loss based on equivalent pipe length (m)

FITTING	FITTING CONSTANT (F)
90° Elbow	30
90° Tee - Straight Through	12
90° Tee - Side Branch	60

Resistance to Impact

The thermoplastic materials used in the Philmac Metric Fittings have excellent impact properties. Philmac Metric Fittings are suitable for the transportation of abrasive slurries and will withstand normal conditions found in urban, mining, industrial, rural water and waste water systems.

Weathering

The materials used contain pigments to provide excellent protection to degradation due to ultra-violet radiation. Continuous use of the Philmac metric fitting in systems above ground is therefore permissible without additional protection.

Electrolytic Corrosion

Philmac metric fitting is non magnetizing and does not cause electrolytic deterioration.

Thermal Insulation

Polypropylene has natural thermal insulation of 2000 times over copper and 200 times over steel.

Light Transmission

The all black Philmac metric fittings do not transmit light, thus protecting the water quality in potable water pipelines from growth of micro organisms.

Effect on Water

Philmac Metric Fittings do not impart to water any odour, taste, colour, or any constituents in concentrations that could be injurious to health.

Fluids other than Water

Philmac Metric Fittings may convey a wide variety of fluids. Contact Vinidex for advice on specific applications.

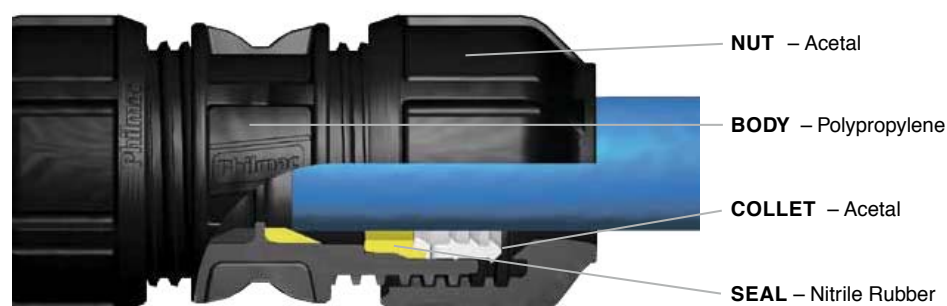
COMPRESSION FITTINGS

PHILMAC® PE METRIC COMPRESSION FITTINGS

PHILMAC SUPREME METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129

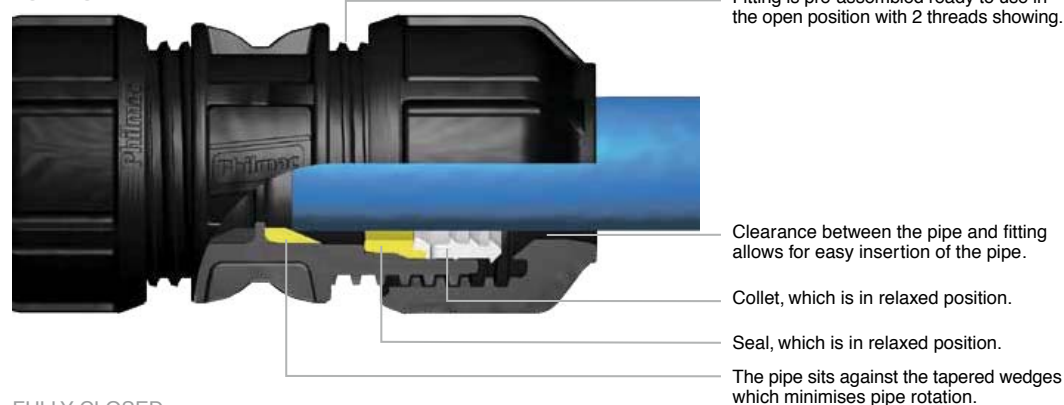
MATERIALS & COMPONENTS

For sizes 16-50mm only.

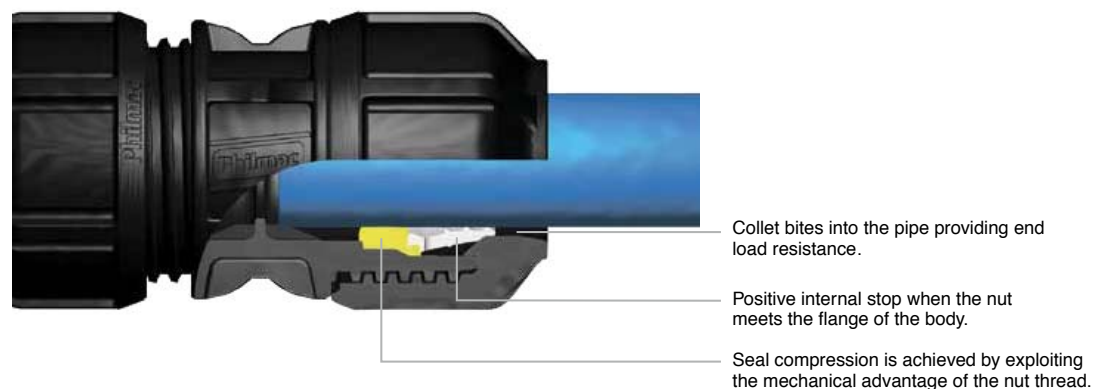


PRINCIPALS OF OPERATION

FULLY OPEN



FULLY CLOSED



PE METRIC COMPRESSION FITTINGS

PHILMAC SUPREME METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



COUPLING

CODE	SIZE (MM)	DESCRIPTION
1508925	20 X 20	PHILMAC 3G MET JOINER 20 X 20MM
1508926	25 X 25	PHILMAC 3G MET JOINER 25 X 25MM
1508927	32 X 32	PHILMAC 3G MET JOINER 32 X 32MM
1508928	40 X 40	PHILMAC 3G MET JOINER 40 X 40MM
1508929	50 X 50	PHILMAC 3G MET JOINER 50 X 50MM
1508930	63 X 63	PHILMAC 3G MET JOINER 63 X 63MM
1509102	75 X 75	PHILMAC SAFELOK MET JOINER 75MM
1509103	90 X 90	PHILMAC SAFELOK MET JOINER 90MM
1509104	110 X 110	PHILMAC SAFELOK MET JOINER 110MM



COUPLING REDUCING

CODE	SIZE (MM)	DESCRIPTION
1508936	25 X 20	PHILMAC 3G MET JOINER 25 X 20MM
1508937	32 X 20	PHILMAC 3G MET JOINER 32 X 20MM
1508938	32 X 25	PHILMAC 3G MET JOINER 32 X 25MM
1508939	40 X 25	PHILMAC 3G MET JOINER 40 X 25MM
1508940	40 X 32	PHILMAC 3G MET JOINER 40 X 32MM
1509124	50 X 25	PHILMAC 3G MET JOINER 50 X 25MM
1509125	50 X 32	PHILMAC 3G MET JOINER 50 X 32MM
1508941	50 X 40	PHILMAC 3G MET JOINER 50 X 40MM
1509361	63 X 32	PHILMAC SAFELOK MET JOINER 63 X 32MM
1509126	63 X 40	PHILMAC SAFELOK MET JOINER 63 X 40MM
1509127	63 X 50	PHILMAC SAFELOK MET JOINER 63 X 50MM
1509128	75 X 63	PHILMAC SAFELOK MET JOINER 75 X 63MM
1509129	90 X 75	PHILMAC SAFELOK MET JOINER 90 X 75MM
1509130	110 X 90	PHILMAC SAFELOK MET JOINER 110 X 90MM

PE METRIC COMPRESSION FITTINGS

METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



ELBOW 90°

CODE	SIZE (MM)	DESCRIPTION
1508991	20	PHILMAC 3G MET ELBOW 90DEG PXP 20mm
1508992	25	PHILMAC 3G MET ELBOW 90DEG PXP 25mm
1508993	32	PHILMAC 3G MET ELBOW 90DEG PXP 32mm
1508994	40	PHILMAC 3G MET ELBOW 90DEG PXP 40mm
1508995	50	PHILMAC 3G MET ELBOW 90DEG PXP 50mm
1508996	63	PHILMAC 3G MET ELBOW 90DEG PXP 63mm
1509191	75	PHILMAC SAFELOK MET ELBOW 90DEG PXP 75mm
1509192	90	PHILMAC SAFELOK MET ELBOW 90DEG PXP 90mm
1509193	110	PHILMAC SAFELOK MET ELBOW 90DEG PXP 110mm



ELBOW 90° MALE BSP

CODE	SIZE (MM)	DESCRIPTION
1509145	20 X 15	PHILMAC 3G MALE ELBOW 90DEG 20 X 15MM
1540628	20 X 20	PHILMAC 3G MALE ELBOW 90DEG 20 X 20MM
1540629	25 X 15	PHILMAC 3G MALE ELBOW 90DEG 25 X 15MM
1509146	25 X 20	PHILMAC 3G MALE ELBOW 90DEG 25 X 20MM
1540630	25 X 25	PHILMAC 3G MALE ELBOW 90DEG 25 X 25MM
1509147	32 X 25	PHILMAC 3G MALE ELBOW 90DEG 32 X 25MM
1540631	32 X 32	PHILMAC 3G MALE ELBOW 90DEG 32 X 32MM
1540632	40 X 25	PHILMAC 3G MALE ELBOW 90DEG 40 X 25MM
1540633	40 X 32	PHILMAC 3G MALE ELBOW 90DEG 40 X 32MM
1540634	40 X 40	PHILMAC 3G MALE ELBOW 90DEG 40 X 40MM
1540635	50 X 40	PHILMAC 3G MALE ELBOW 90DEG 50 X 40MM



ELBOW 90° FEMALE BSP

CODE	SIZE (MM)	DESCRIPTION
1509099	20 X 20	PHILMAC 3G FEM ELBOW 90DEG 20 X 20MM
1509076	25 X 20	PHILMAC 3G FEM ELBOW 90DEG 25 X 20MM
1509077	25 X 25	PHILMAC 3G FEM ELBOW 90DEG 25 X 25MM
1509203	32 X 20	PHILMAC 3G FEM ELBOW 90DEG 32 X 20MM
1509078	32 X 25	PHILMAC 3G FEM ELBOW 90DEG 32 X 25MM
1509079	32 X 32	PHILMAC 3G FEM ELBOW 90DEG 32 X 32MM
1509080	40 X 32	PHILMAC 3G FEM ELBOW 90DEG 40 X 32MM
1509081	40 X 40	PHILMAC 3G FEM ELBOW 90DEG 40 X 40MM
1509082	50 X 40	PHILMAC 3G FEM ELBOW 90DEG 50 X 40MM
1509083	50 X 50	PHILMAC 3G FEM ELBOW 90DEG 50 X 50MM
1509084	63 X 50	PHILMAC 3G FEM ELBOW 90DEG 63 X 50MM
1509144	75 X 50	PHILMAC 3G FEM ELBOW 90DEG 75 X 50MM
1509443	90 X 75	PHILMAC SAFELOK ELBOW 90DEG 90 X 75MM
1509444	110 X 100	PHILMAC SAFELOK ELBOW 90DEG 110 X 100MM

PE METRIC COMPRESSION FITTINGS

METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



ELBOW 45°

CODE	SIZE (MM)	DESCRIPTION
1509208	25	PHILMAC 3G MET ELBOW 45DEG PXP 25MM
1509186	32	PHILMAC 3G MET ELBOW 45DEG PXP 32MM
1509187	40	PHILMAC 3G MET ELBOW 45DEG PXP 40MM
1509188	50	PHILMAC 3G MET ELBOW 45DEG PXP 50MM
1509190	63	PHILMAC SAFELOK MET ELBOW 45DEG PXP 63MM



TEE EQUAL

CODE	SIZE (MM)	DESCRIPTION
1508972	20	PHILMAC 3G MET TEE 20MM
1508973	25	PHILMAC 3G MET TEE 25MM
1508974	32	PHILMAC 3G MET TEE 32MM
1508975	40	PHILMAC 3G MET TEE 40MM
1508976	50	PHILMAC 3G MET TEE 50MM
1508977	63	PHILMAC 3G MET TEE 63MM
1509161	75	PHILMAC SAFELOK MET TEE 75MM
1509162	90	PHILMAC SAFELOK MET TEE 90MM
1509163	110	PHILMAC SAFELOK MET TEE 110MM



TEE REDUCING

CODE	SIZE (MM)	DESCRIPTION
1509164	25 X 25 X 20	PHILMAC 3G MET REDUCING TEE 25 X 25 X 20MM
1509165	32 X 32 X 25	PHILMAC 3G MET REDUCING TEE 32 X 32 X 25MM
1509171	25 X 25 X 32	PHILMAC 3G MET REDUCING TEE 25 X 25 X 32MM
1509008	40 X 40 X 25	PHILMAC 3G MET REDUCING TEE 40 X 40 X 25MM
1509166	40 X 40 X 32	PHILMAC 3G MET REDUCING TEE 40 X 40 X 32MM
1509167	50 X 50 X 25	PHILMAC 3G MET REDUCING TEE 50 X 50 X 25MM
1509168	50 X 50 X 32	PHILMAC 3G MET REDUCING TEE 50 X 50 X 32MM
1509169	50 X 50 X 40	PHILMAC 3G MET REDUCING TEE 50 X 50 X 40MM
1510372	63 X 63 X 25	PHILMAC SAFELOK MET REDUCING TEE 63 X 63 X 25MM
1510373	63 X 63 X 32	PHILMAC SAFELOK MET REDUCING TEE 63 X 63 X 32MM
1509170	63 X 63 X 50	PHILMAC SAFELOK MET REDUCING TEE 63 X 63 X 50MM

PE METRIC COMPRESSION FITTINGS

METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



TEE FEMALE BSP

CODE	SIZE (MM)	DESCRIPTION
1508979	20 X 20	PHILMAC 3G FEM TEE 20 X 20MM
1508981	25 X 20	PHILMAC 3G FEM TEE 25 X 20MM
1508982	25 X 25	PHILMAC 3G FEM TEE 25 X 25MM
1509174	32 X 20	PHILMAC 3G FEM TEE 32 X 20MM
1508983	32 X 25	PHILMAC 3G FEM TEE 32 X 25MM
1508984	32 X 32	PHILMAC 3G FEM TEE 32 X 32MM
1508985	40 X 32	PHILMAC 3G FEM TEE 40 X 32MM
1508986	40 X 40	PHILMAC 3G FEM TEE 40 X 40MM
1508987	50 X 40	PHILMAC 3G FEM TEE 50 X 40MM
1508988	50 X 50	PHILMAC 3G FEM TEE 50 X 50MM
1508989	63 X 50	PHILMAC 3G FEM TEE 63 X 50MM
1509176	75 X 50	PHILMAC SAFELOK FEM TEE 75 X 50MM
1509177	90 X 75	PHILMAC SAFELOK FEM TEE 90 X 75MM
1509178	110 X 100	PHILMAC SAFELOK FEM TEE 110 X 100MM



TEE MALE BSP

CODE	SIZE	DESCRIPTION
1509172	25 X 15	PHILMAC 3G MALE TEE 25 X 15MM
1509092	25 X 20	PHILMAC 3G MALE TEE 25 X 20MM



FEMALE ADAPTOR

CODE	SIZE	DESCRIPTION
1508961	20 X 20	PHILMAC 3G FEM CONN 20 X 20MM
1508962	20 X 25	PHILMAC 3G FEM CONN 20 X 25MM
1508963	25 X 20	PHILMAC 3G FEM CONN 25 X 20MM
1508964	25 X 25	PHILMAC 3G FEM CONN 25 X 25MM
1508999	32 X 20	PHILMAC 3G FEM CONN 32 X 20MM
1508965	32 X 25	PHILMAC 3G FEM CONN 32 X 25MM
1508966	32 X 32	PHILMAC 3G FEM CONN 32 X 32MM
1508967	40 X 32	PHILMAC 3G FEM CONN 40 X 32MM
1508968	40 X 40	PHILMAC 3G FEM CONN 40 X 40MM
1508969	50 X 40	PHILMAC 3G FEM CONN 50 X 40MM
1508970	50 X 50	PHILMAC 3G FEM CONN 50 X 50MM
1508971	63 X 50	PHILMAC 3G FEM CONN 63 X 50MM
1509183	75 X 50	PHILMAC SAFELOK FEM CONN 75 X 50MM
1509184	90 X 75	PHILMAC SAFELOK FEM CONN 90 X 75MM
1509185	110 X 100	PHILMAC SAFELOK FEM CONN 110 X 100MM

PE METRIC COMPRESSION FITTINGS

METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



MALE ADAPTOR

CODE	SIZE (MM)	DESCRIPTION
1508945	20 X 20	PHILMAC 3G MET MALE CONN 20P X 20
1509131	20 X 25	PHILMAC 3G MET MALE CONN 20P X 25
1508947	25 X 20	PHILMAC 3G MET MALE CONN 25P X 20
1508948	25 X 25	PHILMAC 3G MET MALE CONN 25P X 25
1508949	32 X 20	PHILMAC 3G MET MALE CONN 32P X 20
1508950	32 X 25	PHILMAC 3G MET MALE CONN 32P X 25
1508951	32 X 32	PHILMAC 3G MET MALE CONN 32P X 32
1508952	40 X 25	PHILMAC 3G MET MALE CONN 40P X 25
1508953	40 X 32	PHILMAC 3G MET MALE CONN 40P X 32
1508954	40 X 40	PHILMAC 3G MET MALE CONN 40P X 40
1509132	40 X 50	PHILMAC 3G MET MALE CONN 40P X 50
1508955	50 X 40	PHILMAC 3G MET MALE CONN 50P X 40
1508956	50 X 50	PHILMAC 3G MET MALE CONN 50P X 50
1508957	63 X 40	PHILMAC 3G MET MALE CONN 63P X 40
1508958	63 X 50	PHILMAC 3G MET MALE CONN 63P X 50
1509137	75 X 50	PHILMAC SAFELOK MET MALE CONN 75 X 50
1509138	75 X 75	PHILMAC SAFELOK MET MALE CONN 75 X 75
1509139	90 X 75	PHILMAC SAFELOK MET MALE CONN 90 X 75
1509140	110 X 100	PHILMAC SAFELOK MET MALE CONN 110 X 100



END CAP

CODE	SIZE (MM)	DESCRIPTION
1505870	25	PHILMAC 3G END CAP 25MM
1505871	32	PHILMAC 3G END CAP 32MM
1505872	40	PHILMAC 3G END CAP 40MM
1505873	50	PHILMAC 3G END CAP 50MM
1505874	63	PHILMAC SAFELOK END CAP 63MM
1505875	75	PHILMAC SAFELOK END CAP 75MM
1505876	90	PHILMAC SAFELOK END CAP 90MM
1505877	110	PHILMAC SAFELOK END CAP 110MM

PE METRIC COMPRESSION FITTINGS

METRIC COMPRESSION FITTINGS ARE CERTIFIED TO AS/NZS 4129



COPPER COUPLING

CODE	SIZE (MM)	DESCRIPTION
1509106	16 X 1/2"	PHILMAC 3G MET JOINER - COPPER 16 X 1/2"
1509107	20 X 1/2"	PHILMAC 3G MET JOINER - COPPER 20 X 1/2"
1509108	20 X 3/4"	PHILMAC 3G MET JOINER - COPPER 20 X 3/4"
1509109	25 X 1/2"	PHILMAC 3G MET JOINER - COPPER 25 X 1/2"
1509110	25 X 3/4"	PHILMAC 3G MET JOINER - COPPER 25 X 3/4"
1509111	32 X 3/4"	PHILMAC 3G MET JOINER - COPPER 32 X 3/4"



COPPER ELBOW 90°

CODE	SIZE (MM)	DESCRIPTION
1509115	20 X 1/2"	PHILMAC 3G MET ELBOW - COPPER 20 X 1/2"
1509116	20 X 1/2"	PHILMAC 3G MET ELBOW - COPPER 25 X 1/2"
1509117	25 X 3/4"	PHILMAC 3G MET ELBOW - COPPER 25 X 3/4"



COPPER TEE EQUAL

CODE	SIZE (MM)	DESCRIPTION
1509112	20 X 1/2"	PHILMAC 3G MET TEE - COPPER 20 X 1/2"
1509113	25 X 1/2"	PHILMAC 3G MET TEE - COPPER 25 X 1/2"
1509114	25 X 3/4"	PHILMAC 3G MET TEE - COPPER 25 X 3/4"



COPPER KIT

CODE	SIZE (MM)	DESCRIPTION
1509118	20 X 1/2"	PHILMAC 3G MET KIT - COPPER 20 X 1/2"
1509119	25 X 1/2"	PHILMAC 3G MET KIT - COPPER 25 X 1/2"
1509120	25 X 3/4"	PHILMAC 3G MET KIT - COPPER 25 X 3/4"

Note: Poly to copper SS grip rings also available

PHILMAC® PE RURAL COMPRESSION FITTINGS

SUITABLE FOR USE WITH RURAL CLASS B PIPES, MANUFACTURED TO AS/NZS 2698.2

The range of Rural Compression fittings have been specifically designed for Australia's rural market. The fittings are characterised by their easy assembly and high performance.

Product Range

- ¾" – 2" (Inside Pipe Diameter)
- For ½" fittings, please refer to the 16mm Supreme Metric Compression fittings range
- Suitable for use on Rural Class B Polyethylene Pipes manufactured to AS/NZ 2698.2
- Fittings PN 8 (800 kPa) @ 20°C (Water)
- Saddles PN 10 (1000 kPa) @ 20°C (Water)

FEATURING

New Clamp Ring

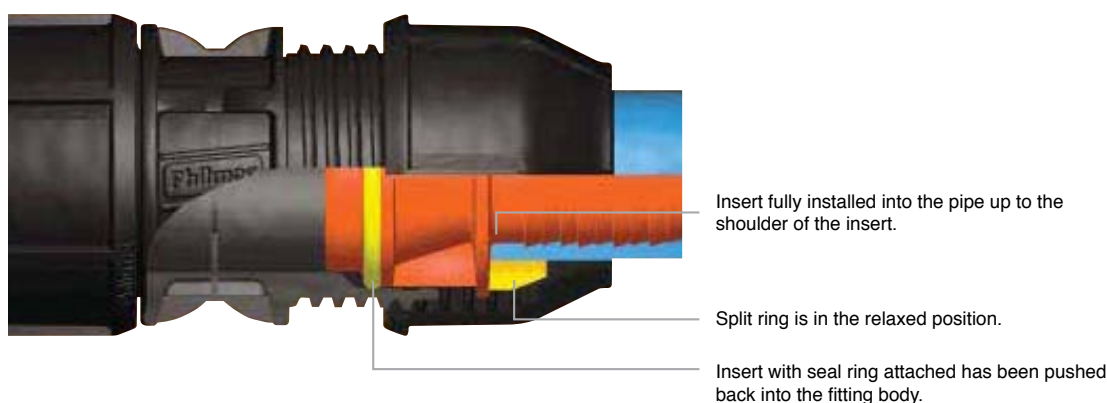
- The Clamp Ring creates an improved and uniform wrap-around of the pipe surface, avoiding the problem of pipes with undersized wall thickness rising up from the barbed insert which can result in leakages
- Sectoring and higher conicity enables the tightening of the nut with minimal interference with pipe (no pipe rotation)

New Insert Tail

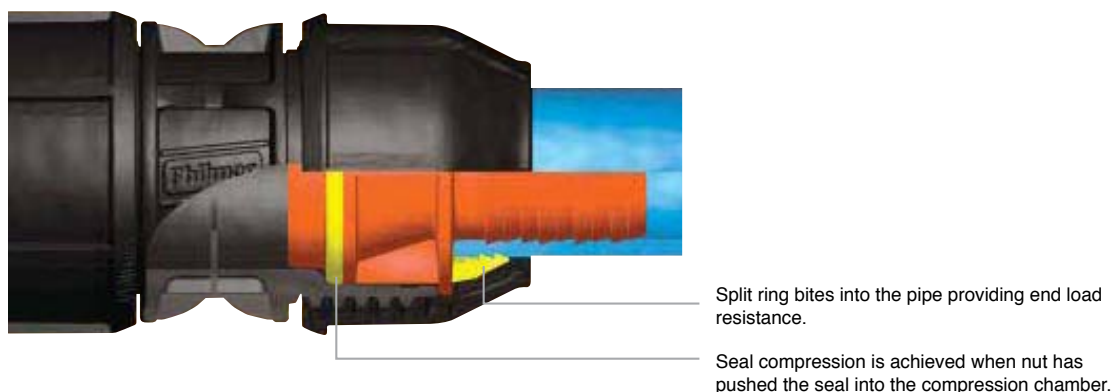
- The configuration of the insert body creates a higher compression of the O-ring, resulting in the perfect sealing system
- No chamfering of pipe ends, saving time in the field
- Ability to convert from Rural to Metric, refer conversion kits
- UV stabilised high grade POM to withstand Australia's harsh conditions
- The insert tail and body has been designed to reduce the possibility of the insert rotating (pipe rotation) in the body of the fitting when tightening the nut.

HOW IT WORKS

Fully Open



Fully Closed





PE RURAL COMPRESSION FITTINGS

SUITABLE FOR USE WITH RURAL CLASS B PE PIPES MANUFACTURED TO AS/NZS 2698.2



COUPLER

CODE	SIZE	DESCRIPTION
1507100	1/2" X 1/2"	PHILMAC IMP JOINER 1/2" X 1/2"
1507110	3/4" X 3/4"	PHILMAC IMP JOINER 3/4" X 3/4"
1507120	1" X 1"	PHILMAC IMP JOINER 1" X 1"
1507130	1 1/4" X 1 1/4"	PHILMAC IMP JOINER 1 1/4" X 1 1/4"
1507140	1 1/2" X 1 1/2"	PHILMAC IMP JOINER 1 1/2" X 1 1/2"
1507150	2" X 2"	PHILMAC IMP JOINER 2" X 2"



COUPLER REDUCING

CODE	SIZE	DESCRIPTION
1507105	3/4" X 1/2"	PHILMAC IMP JOINER 3/4" X 1/2"
1507115	1" X 3/4"	PHILMAC IMP JOINER 1" X 3/4"
1507125	1 1/4" X 1"	PHILMAC IMP JOINER 1 1/4" X 1"
1507135	1 1/2" X 1 1/4"	PHILMAC IMP JOINER 1 1/2" X 1 1/4"
1507145	2" X 1 1/2"	PHILMAC IMP JOINER 2" X 1 1/2"



MALE ADAPTER

CODE	SIZE	DESCRIPTION
1507205	3/4" P X 1/2" MI	PHILMAC IMP CONN 3/4" P X 1/2" MI
1507210	3/4" P X 3/4" MI	PHILMAC IMP CONN 3/4" P X 3/4" MI
1507215	1" P X 3/4" MI	PHILMAC IMP CONN 1" P X 3/4" MI
1507220	1" P X 1" MI	PHILMAC IMP CONN 1" P X 1" MI
1507225	1 1/4" P X 1" MI	PHILMAC IMP CONN 1 1/4" P X 1" MI
1507230	1 1/4" P X 1 1/4" MI	PHILMAC IMP CONN 1 1/4" P X 1 1/4" MI
1507235	1 1/2" P X 1 1/4" MI	PHILMAC IMP CONN 1 1/2" P X 1 1/4" MI
1507240	1 1/2" P X 1 1/2" MI	PHILMAC IMP CONN 1 1/2" P X 1 1/2" MI
1507245	2" P X 1 1/2" MI	PHILMAC IMP CONN 2" P X 1 1/2" MI
1507250	2" P X 2" MI	PHILMAC IMP CONN 2" P X 2" MI



FEMALE ADAPTER

CODE	SIZE	DESCRIPTION
1507260	1/2" P X 1/2" FI	PHILMAC IMP CONN 1/2" P X 1/2" FI
1507270	3/4" P X 1/2" FI	PHILMAC IMP CONN 3/4" P X 1/2" FI
1507300	3/4" P X 3/4" FI	PHILMAC IMP CONN 3/4" P X 3/4" FI
1507302	1" P X 3/4" FI	PHILMAC IMP CONN 1" P X 3/4" FI
1507305	1" P X 1" FI	PHILMAC IMP CONN 1" P X 1" FI
1507306	1 1/4" P X 1" FI	PHILMAC IMP CONN 1 1/4" P X 1" FI
1507310	1 1/4" P X 1 1/4" FI	PHILMAC IMP CONN 1 1/4" P X 1 1/4" FI
1507312	1 1/2" P X 1 1/4" FI	PHILMAC IMP CONN 1 1/2" P X 1 1/4" FI
1507315	1 1/2" P X 1 1/2" FI	PHILMAC IMP CONN 1 1/2" P X 1 1/2" FI
1507318	2" P X 1 1/2" FI	PHILMAC IMP CONN 2" P X 1 1/2" FI
1507320	2" P X 2" FI	PHILMAC IMP CONN 2" P X 2" FI

PE RURAL COMPRESSION FITTINGS

SUITABLE FOR USE WITH RURAL CLASS B PE PIPES MANUFACTURED TO AS/NZS 2698.2



END CAP

CODE	SIZE	DESCRIPTION
1507352	¾"	PHILMAC IMP BLANKING PLUGS ¾"
1507353	1"	PHILMAC IMP BLANKING PLUGS 1"
1507354	1¼"	PHILMAC IMP BLANKING PLUGS 1¼"
1507355	1½"	PHILMAC IMP BLANKING PLUGS 1½"
1507356	2"	PHILMAC IMP BLANKING PLUGS 2"



ELBOW 90°

CODE	SIZE	DESCRIPTION
1507605	¾"	PHILMAC IMP ELBOW ¾"
1507610	1"	PHILMAC IMP ELBOW 1"
1507615	1¼"	PHILMAC IMP ELBOW 1¼"
1507620	1½"	PHILMAC IMP ELBOW 1½"
1507625	2"	PHILMAC IMP ELBOW 2"



ELBOW 90° FEMALE BSP

CODE	SIZE	DESCRIPTION
1507705	¾" X 1/2"FI	PHILMAC IMP ELBOW ¾" X 1/2"FI
1507710	¾" X ¾"FI	PHILMAC IMP ELBOW ¾" X ¾"FI
1507714	1" X ½"FI	PHILMAC IMP ELBOW 1" X ½"FI
1507715	1" X ¾"FI	PHILMAC IMP ELBOW 1" X ¾"FI
1507720	1" X 1"FI	PHILMAC IMP ELBOW 1" X 1"FI
1507725	1¼" X 1"FI	PHILMAC IMP ELBOW 1¼" X 1"FI
1507730	1¼" X 1¼"FI	PHILMAC IMP ELBOW 1¼" X 1¼"FI
1507735	1½" X 1¼"FI	PHILMAC IMP ELBOW 1½" X 1¼"FI
1507740	1½" X 1½"FI	PHILMAC IMP ELBOW 1½" X 1½"FI
1507745	2" X 1½"FI	PHILMAC IMP ELBOW 2" X 1½"FI
1507750	2" X 2"FI	PHILMAC IMP ELBOW 2" X 2"FI

PE RURAL COMPRESSION FITTINGS

SUITABLE FOR USE WITH RURAL CLASS B PE PIPES MANUFACTURED TO AS/NZS 2698.2



MALE ELBOW 90° BSP

CODE	SIZE	DESCRIPTION
1507755	1" P X 3/4" MI	PHILMAC IMPERIAL ELBOW 1" P X 3/4" MI
1507756	1 1/4" P X 1" MI	PHILMAC IMPERIAL ELBOW 1 1/4" P X 1" MI



EQUAL TEE

CODE	SIZE	DESCRIPTION
1507405	3/4"	PHILMAC IMP TEE 3/4"
1507410	1"	PHILMAC IMP TEE 1"
1507415	1 1/4"	PHILMAC IMP TEE 1 1/4"
1507420	1 1/2"	PHILMAC IMP TEE 1 1/2"
1507425	2"	PHILMAC IMP TEE 2"



REDUCING TEE

CODE	SIZE	DESCRIPTION
1507406	1" X 3/4"	PHILMAC IMP TEE 1" X 3/4"
1507412	1 1/4" X 1"	PHILMAC IMP TEE 1 1/4" X 1"

PE RURAL COMPRESSION FITTINGS

SUITABLE FOR USE WITH RURAL CLASS B PE PIPES MANUFACTURED TO AS/NZS 2698.2



TEE FEMALE BSP

CODE	SIZE	DESCRIPTION
1507505	¾" X ½"FI	PHILMAC IMP TEE ¾" X ½"FI
1507510	¾" X ¾"FI	PHILMAC IMP TEE ¾" X ¾"FI
1507512	1" X ½"FI	PHILMAC IMP TEE 1" X ½"FI
1507515	1" X ¾"FI	PHILMAC IMP TEE 1" X ¾"FI
1507520	1" X 1"FI	PHILMAC IMP TEE 1" X 1"FI
1507525	1¼" X 1"	PHILMAC IMP TEE 1¼" X 1"
1507530	1¼" X 1¼"FI	PHILMAC IMP TEE 1¼" X 1¼"FI
1507535	1½" X 1¼"FI	PHILMAC IMP TEE 1½" X 1¼"FI
1507540	1½" X 1½"FI	PHILMAC IMP TEE 1½" X 1½"FI
1507545	2" X 1½"FI	PHILMAC IMP TEE 2" X 1½"FI
1507550	2" X 2"FI	PHILMAC IMP TEE 2" X 2"FI



TEE MALE BSP

CODE	SIZE	DESCRIPTION
1507760	1" P X ½"MI	PHILMAC IMP TEE 1" P X ½"MI
1507762	1" P X ¾"MI	PHILMAC IMP TEE 1" P X ¾"MI



CONVERSION KIT – RURAL TO METRIC

CODE	SIZE (MM)	DESCRIPTION
1507321	¾" X 20	PHILMAC RURAL-METRIC CONV KIT ¾" X 20MM
1507322	1" X 25	PHILMAC RURAL-METRIC CONV KIT 1" X 25MM
1507324	1½" X 40	PHILMAC RURAL-METRIC CONV KIT 1½" X 40MM
1507325	2" X 50	PHILMAC RURAL-METRIC CONV KIT 2" X 50MM

ELECTROFUSION FITTINGS



FRIATEC® ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS

A global market leader in fittings since 1863, FRIATEC is intensely focused on quality, producing a wide range of products for the world's most demanding applications, bringing you an advanced range of electrofusion fittings, welders and tools.

Bringing together precision engineering and cutting edge materials technology.

BENEFITS

Efficient design

Using a highly efficient, exposed heating coil design, FRIATEC's electrofusion system provides ideal heat transfer from fitting to pipe, delivering a faster and more precise weld. What's more, this unique design eliminates the risk of contamination through oxidation. The coils are embedded two thirds of the way the fitting so they simply cannot be dislodged. This ensures excellent bridging of gaps and ideal heat penetration for the perfect seal every time.

Longest coupler length

To guarantee outstanding performance, FRIATEC's couplings feature extra-long fusion zones. These zones are up to 2.7 times longer than the minimum required standard.

The larger fusion area helps to absorb energy while offering improved safety and stability. Extra-long cold zones reduce bending stress and ensure no loss of melting pressure.

Long coupler length also translates to better pipe support, better pipe alignment inside the fitting, a reduction of bending stress and a larger insertion depth at each end.

Large range

FRIATEC's electrofusion system offers a range of couplers from 20mm – 1200mm in diameter.



POLY METRIC ELECTROFUSION FITTINGS

METRIC ELECTROFUSION FITTINGS ARE CERTIFIED TO AS4129

QUICK GUIDE SAFETY FITTINGS: ASSEMBLY OF FITTINGS D20 – D225

STEP 1

Clean pipe of rough contaminations



STEP 2

Mark the insertion depth



STEP 3

Remove the oxide layer of the pipe using a scraper tool

STEP 4

Chamfer the raw edges on the outside and inside. Remove any chips from the pipe interior

STEP 5

If required, restore the roundness of irregular/oval pipes using rounding clamps



POLY METRIC ELECTROFUSION FITTINGS

METRIC ELECTROFUSION FITTINGS ARE CERTIFIED TO AS4129

STEP 6

Clean the pipe surface and the fitting interior with PE cleaner, let evaporate, mark insertion depth again



STEP 7

Insert the pipe up to the marking, do not jam. Ensure a tension-free assembly of the component parts

STEP 8

Connect welding pins and start weld for indicated time

STEP 9

Document fusion parameters on the pipe. Allow to cool (cooling times!)

DIAMETER (MM)	COOLING TIME IN MINUTES FOR FRIALEN® COUPLERS AND FITTINGS		
	CT - UP TO WHICH THE JOINT MAY BE MOVED	UP TO THE PRESSURISATION UP TO 8 BAR	UP TO THE PRESSURISATION > 8 BAR
20 – 32	5	8	10
40 – 63	7	15	25
75 – 110	10	30	40
125 – 140	15	35	45
160 – 225	20	60	75

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



COUPLER

CODE	DESCRIPTION	SIZE (MM)
1415759	FRIATEC EF COUPLER 20MM	20
1415760	FRIATEC EF COUPLER 25MM	25
1415761	FRIATEC EF COUPLER 32MM	32
1415762	FRIATEC EF COUPLER 40MM	40
1415763	FRIATEC EF COUPLER 50MM	50
1415764	FRIATEC EF COUPLER 63MM	63
1415765	FRIATEC EF COUPLER 75MM	75
1415766	FRIATEC EF COUPLER 90MM	90
1415767	FRIATEC EF COUPLER 110MM	110
1415768	FRIATEC EF COUPLER 125MM	125
1415769	FRIATEC EF COUPLER 140MM	140
1415770	FRIATEC EF COUPLER 160MM	160
1415771	FRIATEC EF COUPLER 180MM	180
1415772	FRIATEC EF COUPLER 200MM	200
1415773	FRIATEC EF COUPLER 225MM	225
1415774	FRIATEC EF COUPLER 250MM	250
1415775	FRIATEC EF COUPLER 280MM	280
1415776	FRIATEC EF COUPLER 315MM	315
1415777	FRIATEC EF COUPLER 355MM	355
1415778	FRIATEC EF COUPLER 400MM	400
1415779	FRIATEC EF COUPLER 450MM	450
1415780	FRIATEC EF COUPLER 500MM	500
1415781	FRIATEC EF COUPLER 560MM	560
1415782	FRIATEC EF COUPLER 630MM	630
1415783	FRIATEC EF COUPLER 710MM	710
1415784	FRIATEC EF COUPLER 800MM	800
1415785	FRIATEC EF COUPLER 900MM	900

Coupler S 20 - 75MM suitable for SDR 7.4, SDR 9 and SDR 11 applications.

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



COUPLER SDR17

CODE	DESCRIPTION	SIZE (MM)
1415840	FRIATEC EF FRIAFIT COUPLER SDR17 50MM	50
1415843	FRIATEC EF FRIAFIT COUPLER SDR17 90MM	90
1415844	FRIATEC EF FRIAFIT COUPLER SDR17 110MM	110
1415845	FRIATEC EF FRIAFIT COUPLER SDR17 125MM	125
1415846	FRIATEC EF FRIAFIT COUPLER SDR17 140MM	140
1415847	FRIATEC EF FRIAFIT COUPLER SDR17 160MM	160
1415848	FRIATEC EF FRIAFIT COUPLER SDR17 180MM	180
1415849	FRIATEC EF FRIAFIT COUPLER SDR17 200MM	200
1415850	FRIATEC EF FRIAFIT COUPLER SDR17 225MM	225
1415851	FRIATEC EF FRIAFIT COUPLER SDR17 250MM	250
1415852	FRIATEC EF FRIAFIT COUPLER SDR17 280MM	280
1415853	FRIATEC EF FRIAFIT COUPLER SDR17 315MM	315
1415854	FRIATEC EF FRIAFIT COUPLER SDR17 355MM	355
1415855	FRIATEC EF FRIAFIT COUPLER SDR17 400MM	400
1415856	FRIATEC EF FRIAFIT COUPLER SDR17 450MM	450
1415857	FRIATEC EF FRIAFIT COUPLER SDR17 500MM	500
1415858	FRIATEC EF FRIAFIT COUPLER SDR17 560MM	560
1415859	FRIATEC EF FRIAFIT COUPLER SDR17 630MM	630
1415860	FRIATEC EF FRIAFIT COUPLER SDR17 710MM	710
1415861	FRIATEC EF FRIAFIT COUPLER SDR17 800MM	800
1415862	FRIATEC EF FRIAFIT COUPLER SDR17 900MM	900
1415863	FRIATEC EF FRIAFIT COUPLER SDR17 1000MM	1000
1415864	FRIATEC EF FRIAFIT COUPLER SDR17 1200MM	1200

Pressure Ratings Water=PN10, Gas=PN5. SDR 7.4, SDR 9, SDR 11, SDR 17 slide over coupler no centre stops. Size 1000 and above can only be fused with the FRIAMAT XL. Coupler 400 - 1200MM come complete with preheat technology and dual fusion zones. 400 - 450MM preheat use optional.

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



SLIDE OVER COUPLER SDR9

CODE	DESCRIPTION	SIZE (MM)
1415935	FRIATEC EF SLIDEOVER COUPLER SDR9 400MM	400
1415936	FRIATEC EF SLIDEOVER COUPLER SDR9 450MM	450
1415937	FRIATEC EF SLIDEOVER COUPLER SDR9 500MM	500
1415938	FRIATEC EF SLIDEOVER COUPLER SDR9 560MM	560
1415939	FRIATEC EF SLIDEOVER COUPLER SDR9 630MM	630

Pressure Ratings Water=PN20

RELINING SLIDE-OVER COUPLER SDR17

CODE	DESCRIPTION	SIZE (MM)
1415899	FRIATEC EF RELINING COUP SDR17 110/100MM	110/100
1415900	FRIATEC EF RELINING COUP SDR17 160/150MM	160/150
1415901	FRIATEC EF RELINING COUP SDR17 315/300MM	315/300

Pressure Ratings Water=PN10, Gas=PN5.

REDUCING COUPLER

CODE	DESCRIPTION	SIZE (MM)
1416078	FRIATEC EF REDUCING COUPLER 25 X 20MM	25 X 20
1415869	FRIATEC EF REDUCING COUPLER 32 X 20MM	32 X 20
1415870	FRIATEC EF REDUCING COUPLER 32 X 25MM	32 X 25
1415871	FRIATEC EF REDUCING COUPLER 40 X 20MM	40 X 20
1415872	FRIATEC EF REDUCING COUPLER 40 X 32MM	40 X 32
1415873	FRIATEC EF REDUCING COUPLER 50 X 20MM	50 X 20
1415874	FRIATEC EF REDUCING COUPLER 50 X 32MM	50 X 32
1415875	FRIATEC EF REDUCING COUPLER 50 X 40MM	50 X 40
1415876	FRIATEC EF REDUCING COUPLER 63 X 32MM	63 X 32
1415877	FRIATEC EF REDUCING COUPLER 63 X 40MM	63 X 40
1415878	FRIATEC EF REDUCING COUPLER 63 X 50MM	63 X 50
1415879	FRIATEC EF REDUCING COUPLER 90 X 50MM	90 X 50
1415880	FRIATEC EF REDUCING COUPLER 90 X 63MM	90 X 63
1415881	FRIATEC EF REDUCING COUPLER 110 X 63MM	110 X 63
1415882	FRIATEC EF REDUCING COUPLER 110 X 90MM	110 X 90
1415883	FRIATEC EF REDUCING COUPLER 125 X 90MM	125 X 90
1416079	FRIATEC EF REDUCING COUPLER 125 X 110MM	125 X 110
1415884	FRIATEC EF REDUCING COUPLER 160 X 110MM	160 X 110
1416080	FRIATEC EF REDUCING COUPLER 180 X 125MM	180 X 125
1415885	FRIATEC EF REDUCING COUPLER 225 X 160MM	225 X 160

Pressure Ratings Water=PN10, Gas=PN5. SDR 7.4, SDR 9, SDR 11, SDR 17 slide over coupler no centre stops. Coupler 25 - 75MM suitable for SDR 7.4, SDR 9 and SDR11 applications.

Pressure Ratings Water=PN16, Gas=PN10 Unless otherwise stated

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



90° EQUAL TEE

CODE	DESCRIPTION	SIZE (MM)
1416081	FRIATEC EF TEE 20MM	20
1416003	FRIATEC EF TEE 25MM	25
1416004	FRIATEC EF TEE 32MM	32
1416005	FRIATEC EF TEE 40MM	40
1416006	FRIATEC EF TEE 50MM	50
1416007	FRIATEC EF TEE 63MM	63
1416008	FRIATEC EF TEE 75MM	75
1416009	FRIATEC EF TEE 90MM	90
1416010	FRIATEC EF TEE 110MM	110
1416011	FRIATEC EF TEE 125MM	125
1416012	FRIATEC EF TEE 160MM	160
1416013	FRIATEC EF TEE 180MM	180
1416014	FRIATEC EF TEE 200MM	200
1416015	FRIATEC EF TEE 225MM	225
1416016	FRIATEC EF TEE 250MM	250
1416017	FRIATEC EF TEE 280MM	280
1416018	FRIATEC EF TEE 315MM	315



90° REDUCING TEE

CODE	DESCRIPTION	SIZE (MM)
1415886	FRIATEC EF REDUCING TEE 32 X 20MM	32 X 20
1415887	FRIATEC EF REDUCING TEE 40 X 32MM	40 X 32
1415888	FRIATEC EF REDUCING TEE 50 X 32MM	50 X 32
1415889	FRIATEC EF REDUCING TEE 50 X 40MM	50 X 40
1415890	FRIATEC EF REDUCING TEE 63 X 32MM	63 X 32
1415891	FRIATEC EF REDUCING TEE 63 X 40MM	63 X 40
1415892	FRIATEC EF REDUCING TEE 63 X 50MM	63 X 50
1416176	FRIATEC EF REDUCING TEE 180 X 125MM	180 X 125



90° REDUCING TEE SPIGOT

CODE	DESCRIPTION	SIZE (MM)
1415893	FRIATEC EF REDUCING TEE 250 X 110MM	250 X 110
1415894	FRIATEC EF REDUCING TEE 250 X 225MM	250 X 225
1415895	FRIATEC EF REDUCING TEE 280 X 110MM	280 X 110
1415896	FRIATEC EF REDUCING TEE 280 X 225MM	280 X 225
1415897	FRIATEC EF REDUCING TEE 315 X 110MM	315 X 110
1415898	FRIATEC EF REDUCING TEE 315 X 225MM	315 X 225

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



90° EQUAL TEE

CODE	DESCRIPTION	SIZE (MM)
1416086	FRIATEC EF ELBOW 20MM X 90D	20 X 90D
1415810	FRIATEC EF ELBOW 25MM X 90D	25 X 90D
1415811	FRIATEC EF ELBOW 32MM X 90D	32 X 90D
1415812	FRIATEC EF ELBOW 40MM X 90D	40 X 90D
1415813	FRIATEC EF ELBOW 50MM X 90D	50 X 90D
1415814	FRIATEC EF ELBOW 63MM X 90D	63 X 90D
1415815	FRIATEC EF ELBOW 75MM X 90D	75 X 90D
1415816	FRIATEC EF ELBOW 90MM X 90D	90 X 90D
1415817	FRIATEC EF ELBOW 110MM X 90D	110 X 90D
1415818	FRIATEC EF ELBOW 125MM X 90D	125 X 90D
1415819	FRIATEC EF ELBOW 160MM X 90D	160 X 90D
1415820	FRIATEC EF ELBOW 180MM X 90D	180 X 90D
1415821	FRIATEC EF ELBOW 200MM X 90D	200 X 90D
1415822	FRIATEC EF ELBOW 225MM X 90D	225 X 90D
1415823	FRIATEC EF ELBOW 250MM X 90D	250 X 90D
1415824	FRIATEC EF ELBOW 280MM X 90D	280 X 90D
1415825	FRIATEC EF ELBOW 315MM X 90D	315 X 90D



45° ELBOW

CODE	DESCRIPTION	SIZE (MM)
1415795	FRIATEC EF ELBOW 32MM X 45D	32 X 45D
1415796	FRIATEC EF ELBOW 40MM X 45D	40 X 45D
1415797	FRIATEC EF ELBOW 50MM X 45D	50 X 45D
1415798	FRIATEC EF ELBOW 63MM X 45D	63 X 45D
1415799	FRIATEC EF ELBOW 75MM X 45D	75 X 45D
1415800	FRIATEC EF ELBOW 90MM X 45D	90 X 45D
1415801	FRIATEC EF ELBOW 110MM X 45D	110 X 45D
1415802	FRIATEC EF ELBOW 125MM X 45D	125 X 45D
1415803	FRIATEC EF ELBOW 160MM X 45D	160 X 45D
1415804	FRIATEC EF ELBOW 180MM X 45D	180 X 45D
1415805	FRIATEC EF ELBOW 200MM X 45D	200 X 45D
1415806	FRIATEC EF ELBOW 225MM X 45D	225 X 45D
1415807	FRIATEC EF ELBOW 250MM X 45D	250 X 45D
1415808	FRIATEC EF ELBOW 280MM X 45D	280 X 45D
1415809	FRIATEC EF ELBOW 315MM X 45D	315 X 45D

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



30° ELBOW

CODE	DESCRIPTION	SIZE (MM)
1415788	FRIATEC EF ELBOW 90MM X 30D	90 X 30D
1415789	FRIATEC EF ELBOW 110MM X 30D	110 X 30D
1415790	FRIATEC EF ELBOW 125MM X 30D	125 X 30D
1415791	FRIATEC EF ELBOW 160MM X 30D	160 X 30D
1415792	FRIATEC EF ELBOW 180MM X 30D	180 X 30D
1415793	FRIATEC EF ELBOW 200MM X 30D	200 X 30D
1415794	FRIATEC EF ELBOW 225MM X 30D	225 X 30D



11° ELBOW SPIGOT

CODE	DESCRIPTION	SIZE (MM)
1416067	FRIATEC EF-SPIG ELBOW 110MM X 11D	110 X 11D
1416068	FRIATEC EF-SPIG ELBOW 125MM X 11D	125 X 11D
1416069	FRIATEC EF-SPIG ELBOW 160MM X 11D	160 X 11D
1416070	FRIATEC EF-SPIG ELBOW 180MM X 11D	180 X 11D
1416071	FRIATEC EF-SPIG ELBOW 225MM X 11D	225 X 11D



END CAP

CODE	DESCRIPTION	SIZE (MM)
1415826	FRIATEC EF END CAP 20MM	20
1415827	FRIATEC EF END CAP 25MM	25
1415828	FRIATEC EF END CAP 32MM	32
1415829	FRIATEC EF END CAP 40MM	40
1415830	FRIATEC EF END CAP 50MM	50
1415831	FRIATEC EF END CAP 63MM	63
1415832	FRIATEC EF END CAP 75MM	75
1415833	FRIATEC EF END CAP 90MM	90
1415834	FRIATEC EF END CAP 110MM	110
1415835	FRIATEC EF END CAP 125MM	125
1415836	FRIATEC EF END CAP 160MM	160
1415837	FRIATEC EF END CAP 180MM	180
1415838	FRIATEC EF END CAP 200MM	200
1415839	FRIATEC EF END CAP 225MM	225

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



MALE BRASS INSERT

CODE	DESCRIPTION	SIZE (MM)
1402734	FRIATEC EF BR BSP ADAPT INSERT 20X 15 MI	20 X 15MI
1402533	FRIATEC EF BR BSP ADAPT INSERT 25X 20 MI	25 X 20MI
1415691	FRIATEC EF BR BSP ADAPT INSERT 32X 25 MI	32 X 25MI
1416192	FRIATEC EF BR BSP ADAPT INSERT 32X 32 MI	32 X 32MI
1415693	FRIATEC EF BR BSP ADAPT INSERT 40X 32 MI	40 X 32MI
1402534	FRIATEC EF BR BSP ADAPT INSERT 40X 40 MI	40 X 40MI
1416193	FRIATEC EF BR BSP ADAPT INSERT 50X 25 MI	50 X 25MI
1415695	FRIATEC EF BR BSP ADAPT INSERT 50X 40 MI	50 X 40MI
1402535	FRIATEC EF BR BSP ADAPT INSERT 50X 50 MI	50 X 50MI
1415697	FRIATEC EF BR BSP ADAPT INSERT 63X 50 MI	63 X 50MI
1416194	FRIATEC EF BR BSP ADAPT INSERT 75X 65 MI	75 X 65MI
1416195	FRIATEC EF BR BSP ADAPT INSERT 90X 75 MI	90 X 75MI
1416196	FRIATEC EF BR BSP ADAPT INSRT 110X100 MI	110 X100MI
1416197	FRIATEC EF BR BSP ADAPT INSRT 125X100 MI	125 X100MI



FEMALE BRASS INSERT

CODE	DESCRIPTION	SIZE (MM)
1402732	FRIATEC EF BR BSP ADAPT INSERT 20X 15 FI	20 X 15FI
1402498	FRIATEC EF BR BSP ADAPT INSERT 25X 20 FI	25 X 20FI
1415690	FRIATEC EF BR BSP ADAPT INSERT 32X 25 FI	32 X 25FI
1416198	FRIATEC EF BR BSP ADAPT INSERT 40X 25 FI	40 X 25FI
1415692	FRIATEC EF BR BSP ADAPT INSERT 40X 32 FI	40 X 32FI
1402540	FRIATEC EF BR BSP ADAPT INSERT 40X 40 FI	40 X 40FI
1415694	FRIATEC EF BR BSP ADAPT INSERT 50X 40 FI	50 X 40FI
1402733	FRIATEC EF BR BSP ADAPT INSERT 63X 40 FI	63 X 40FI
1415696	FRIATEC EF BR BSP ADAPT INSERT 63X 50 FI	63 X 50FI
1416199	FRIATEC EF BR BSP ADAPT INSERT 75X 65 FI	75 X 65FI
1416200	FRIATEC EF BR BSP ADAPT INSERT 90X 75 FI	90 X 75FI
1416201	FRIATEC EF BR BSP ADAPT INSRT 110X100 FI	110 X100FI
1416202	FRIATEC EF BR BSP ADAPT INSRT 125X100 FI	125 X100FI

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



TRANSITION COUPLING – FEMALE GUNMETAL BSP

CODE	DESCRIPTION	SIZE (MM)
1415700	FRIATEC EF BR BSP TRANS COUP 32X 25 FI	32 X 25FI
1416088	FRIATEC EF BR BSP TRANS COUP 40X 25 FI	40 X 25FI
1415705	FRIATEC EF BR BSP TRANS COUP 40X 32 FI	40 X 32FI
1415711	FRIATEC EF BR BSP TRANS COUP 50X 40 FI	50 X 40FI
1415714	FRIATEC EF BR BSP TRANS COUP 63X 40 FI	63 X 40FI
1415716	FRIATEC EF BR BSP TRANS COUP 63X 50 FI	63 X 50FI



TRANSITION UNION – FEMALE BRASS BSP

CODE	DESCRIPTION	SIZE (MM)
1415720	FRIATEC EF BR BSP TRANS UNION 25X 20 FI	25 X 20FI
1415721	FRIATEC EF BR BSP TRANS UNION 25X 25 FI	25 X 25FI
1415722	FRIATEC EF BR BSP TRANS UNION 32X 25 FI	32 X 25FI
1415723	FRIATEC EF BR BSP TRANS UNION 32X 32 FI	32 X 32FI
1415724	FRIATEC EF BR BSP TRANS UNION 40X 40 FI	40 X 40FI
1415725	FRIATEC EF BR BSP TRANS UNION 50X 25 FI	50 X 25FI
1415726	FRIATEC EF BR BSP TRANS UNION 50X 50 FI	50 X 50FI
1415727	FRIATEC EF BR BSP TRANS UNION 63X 25 FI	63 X 25FI

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



SADDLE SPIGOT – WITH UNDERCLAMP

CODE	DESCRIPTION	SIZE (MM)
1415728	FRIATEC EF BRANCH SADDLE 63 X 32MM	63 X 32
1415729	FRIATEC EF BRANCH SADDLE 63 X 50MM	63 X 50
1416089	FRIATEC EF BRANCH SADDLE 63 X 63MM	63 X 63
1415730	FRIATEC EF BRANCH SADDLE 75 X 50MM	75 X 50
1415731	FRIATEC EF BRANCH SADDLE 90 X 32MM	90 X 32
1415732	FRIATEC EF BRANCH SADDLE 90 X 63MM	90 X 63
1415733	FRIATEC EF BRANCH SADDLE 110 X 32MM	110 X 32
1415734	FRIATEC EF BRANCH SADDLE 110 X 50MM	110 X 50
1415735	FRIATEC EF BRANCH SADDLE 110 X 63MM	110 X 63
1415736	FRIATEC EF BRANCH SADDLE 110 X 90MM	110 X 90
1415737	FRIATEC EF BRANCH SADDLE 125 X 32MM	125 X 32
1415738	FRIATEC EF BRANCH SADDLE 125 X 63MM	125 X 63
1415739	FRIATEC EF BRANCH SADDLE 125 X 90MM	125 X 90
1415740	FRIATEC EF BRANCH SADDLE 160 X 32MM	160 X 32
1415741	FRIATEC EF BRANCH SADDLE 160 X 63MM	160 X 63
1415742	FRIATEC EF BRANCH SADDLE 160 X 90MM	160 X 90
1415749	FRIATEC EF BRANCH SADDLE 160 X 110MM	160 X 110
1415750	FRIATEC EF BRANCH SADDLE 160 X 125MM	160 X 125
1415743	FRIATEC EF BRANCH SADDLE 180 X 63MM	180 X 63
1415744	FRIATEC EF BRANCH SADDLE 180 X 90MM	180 X 90
1415745	FRIATEC EF BRANCH SADDLE 180 X 110MM	180 X 110
1415751	FRIATEC EF BRANCH SADDLE 180 X 125MM	180 X 125
1415746	FRIATEC EF BRANCH SADDLE 200 X 63MM	200 X 63
1415747	FRIATEC EF BRANCH SADDLE 225 X 63MM	225 X 63
1415748	FRIATEC EF BRANCH SADDLE 225 X 90MM	225 X 90
1415752	FRIATEC EF BRANCH SADDLE 225 X 110MM	225 X 110
1415753	FRIATEC EF BRANCH SADDLE 225 X 125MM	225 X 125
1415754	FRIATEC EF BRANCH SADDLE 225 X 160MM	225 X 160

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



SADDLE SPIGOT – TOP LOADING

CODE	DESCRIPTION	SIZE (MM)
1415756	FRIATEC EF BRANCH SADDLE TL 250-560X32MM	250-560 X 32
1415757	FRIATEC EF BRANCH SADDLE TL 250-560X63MM	250-560 X 63
1415758	FRIATEC EF BRANCH SADDLE TL 250-560X90MM	250-560 X 90



UNITOP SADDLE – TOP LOADING

CODE	DESCRIPTION	SIZE (MM)
1416109	FRIATEC EF UNITOP SADDLE 250-280 X 90MM	250-280 X 90
1416110	FRIATEC EF UNITOP SADDLE 250-280 X 110MM	250-280 X 110
1416111	FRIATEC EF UNITOP SADDLE 250-280 X 125MM	250-280 X 125
1416112	FRIATEC EF UNITOP SADDLE 250-280 X 160MM	250-280 X 160
1416113	FRIATEC EF UNITOP SADDLE 315-400 X 90MM	315-400 X 90
1416114	FRIATEC EF UNITOP SADDLE 315-400 X 110MM	315-400 X 110
1416115	FRIATEC EF UNITOP SADDLE 315-400 X 125MM	315-400 X 125
1416116	FRIATEC EF UNITOP SADDLE 315-400 X 160MM	315-400 X 160
1416117	FRIATEC EF UNITOP SADDLE 450-800 X 90MM	450-800 X 90
1416118	FRIATEC EF UNITOP SADDLE 450-800 X 110MM	450-800 X 110
1416119	FRIATEC EF UNITOP SADDLE 450-800 X 125MM	450-800 X 125
1416120	FRIATEC EF UNITOP SADDLE 450-800 X 160MM	450-800 X 160

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



SADDLE SPIGOT – VACUUM

CODE	DESCRIPTION	SIZE (MM)
1416055	FRIATEC EF VAC BRANCH SADDLE 315 X 225MM	315 X 225
1416053	FRIATEC EF VAC BRANCH SADDLE 315 X 250MM	315 X 250
1416054	FRIATEC EF VAC BRANCH SADDLE 355 X 225MM	355 X 225
1416056	FRIATEC EF VAC BRANCH SADDLE 355 X 250MM	355 X 250
1416057	FRIATEC EF VAC BRANCH SADDLE 450 X 225MM	450 X 225
1416058	FRIATEC EF VAC BRANCH SADDLE 450 X 250MM	450 X 250
1416059	FRIATEC EF VAC BRANCH SADDLE 500 X 160MM	500 X 160



SADDLE SPIGOT – VACUUM SDR17

CODE	DESCRIPTION	SIZE (MM)
1416045	FRIATEC EF VAC B/SADDLE SDR17 500 X225MM	500 X 225
1416043	FRIATEC EF VAC B/SADDLE SDR17 560 X160MM	560 X 160
1416044	FRIATEC EF VAC B/SADDLE SDR17 560 X225MM	560 X 225
1416046	FRIATEC EF VAC B/SADDLE SDR17 630 X160MM	630 X 160
1416047	FRIATEC EF VAC B/SADDLE SDR17 630 X225MM	630 X 225
1416048	FRIATEC EF VAC B/SADDLE SDR17 710 X160MM	710 X 160
1416049	FRIATEC EF VAC B/SADDLE SDR17 710 X225MM	710 X 225
1416050	FRIATEC EF VAC B/SADDLE SDR17 800 X160MM	800 X 160
1416051	FRIATEC EF VAC B/SADDLE SDR17 800 X225MM	800 X 225
1416042	FRIATEC EF VAC B/SADDLE SDR17 900 X160MM	900 X 160
1416052	FRIATEC EF VAC B/SADDLE SDR17 900 X225MM	900 X 225
1416038	FRIATEC EF VAC B/SADDLE SDR17 1000X160MM	1000 X 160
1416039	FRIATEC EF VAC B/SADDLE SDR17 1000X225MM	1000 X 225
1416040	FRIATEC EF VAC B/SADDLE SDR17 1200X160MM	1200 X 160
1416041	FRIATEC EF VAC B/SADDLE SDR17 1200X225MM	1200 X 225

Pressure Ratings Water=PN10, Gas=PN5.

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



PRESSURE TAPPING VALVE – WITH UNDERCLAMP

CODE	DESCRIPTION	SIZE (MM)
1415975	FRIATEC EF TAPPING VALVE 50 X 32MM	50 X 32
1415976	FRIATEC EF TAPPING VALVE 63 X 32MM	63 X 32
1415977	FRIATEC EF TAPPING VALVE 63 X 40MM	63 X 40
1415978	FRIATEC EF TAPPING VALVE 75 X 32MM	75 X 32
1415979	FRIATEC EF TAPPING VALVE 90 X 32MM	90 X 32
1415980	FRIATEC EF TAPPING VALVE 90 X 50MM	90 X 50
1415981	FRIATEC EF TAPPING VALVE 90 X 63MM	90 X 63
1415982	FRIATEC EF TAPPING VALVE 110 X 32MM	110 X 32
1415983	FRIATEC EF TAPPING VALVE 110 X 50MM	110 X 50
1415984	FRIATEC EF TAPPING VALVE 110 X 63MM	110 X 63
1415985	FRIATEC EF TAPPING VALVE 125 X 32MM	125 X 32
1415986	FRIATEC EF TAPPING VALVE 125 X 50MM	125 X 50
1415987	FRIATEC EF TAPPING VALVE 125 X 63MM	125 X 63
1415988	FRIATEC EF TAPPING VALVE 140 X 63MM	140 X 63
1415989	FRIATEC EF TAPPING VALVE 160 X 32MM	160 X 32
1415990	FRIATEC EF TAPPING VALVE 160 X 50MM	160 X 50
1415991	FRIATEC EF TAPPING VALVE 160 X 63MM	160 X 63
1415992	FRIATEC EF TAPPING VALVE 180 X 32MM	180 X 32
1415993	FRIATEC EF TAPPING VALVE 180 X 50MM	180 X 50
1415994	FRIATEC EF TAPPING VALVE 180 X 63MM	180 X 63
1415995	FRIATEC EF TAPPING VALVE 200 X 32MM	200 X 32
1415996	FRIATEC EF TAPPING VALVE 200 X 50MM	200 X 50
1415997	FRIATEC EF TAPPING VALVE 200 X 63MM	200 X 63
1415998	FRIATEC EF TAPPING VALVE 225 X 32MM	225 X 32
1415999	FRIATEC EF TAPPING VALVE 225 X 50MM	225 X 50
1416000	FRIATEC EF TAPPING VALVE 225 X 63MM	225 X 63



PRESSURE TAPPING VALVE – TOP LOADING WITH LONG SPIGOT

CODE	DESCRIPTION	SIZE (MM)
1416001	FRIATEC EF TAPPING VALVE 250-315 X 63MM	250-315 X 63
1416002	FRIATEC EF TAPPING VALVE 355-400 X 63MM	355-400 X 63

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



PRESSURE TAPPING TEE – WITH UNDERCLAMP

CODE	DESCRIPTION	SIZE (MM)
1415940	FRIATEC EF TAPPING SADDLE 40 X 20MM	40 X 20
1415941	FRIATEC EF TAPPING SADDLE 50 X 20MM	50 X 20
1415942	FRIATEC EF TAPPING SADDLE 50 X 32MM	50 X 32
1415943	FRIATEC EF TAPPING SADDLE 63 X 20MM	63 X 20
1415944	FRIATEC EF TAPPING SADDLE 63 X 25MM	63 X 25
1415945	FRIATEC EF TAPPING SADDLE 63 X 32MM	63 X 32
1415946	FRIATEC EF TAPPING SADDLE 63 X 40MM	63 X 40
1415947	FRIATEC EF TAPPING SADDLE 63 X 63MM	63 X 63
1415948	FRIATEC EF TAPPING SADDLE 75 X 40MM	75 X 40
1415949	FRIATEC EF TAPPING SADDLE 90 X 32MM	90 X 32
1415950	FRIATEC EF TAPPING SADDLE 90 X 40MM	90 X 40
1415951	FRIATEC EF TAPPING SADDLE 90 X 50MM	90 X 50
1415952	FRIATEC EF TAPPING SADDLE 90 X 63MM	90 X 63
1416090	FRIATEC EF TAPPING SADDLE 110 X 20MM	110 X 20
1415953	FRIATEC EF TAPPING SADDLE 110 X 32MM	110 X 32
1415954	FRIATEC EF TAPPING SADDLE 110 X 40MM	110 X 40
1415955	FRIATEC EF TAPPING SADDLE 110 X 50MM	110 X 50
1415956	FRIATEC EF TAPPING SADDLE 110 X 63MM	110 X 63
1415957	FRIATEC EF TAPPING SADDLE 125 X 32MM	125 X 32
1415958	FRIATEC EF TAPPING SADDLE 125 X 50MM	125 X 50
1415959	FRIATEC EF TAPPING SADDLE 125 X 63MM	125 X 63
1415960	FRIATEC EF TAPPING SADDLE 140 X 50MM	140 X 50
1415961	FRIATEC EF TAPPING SADDLE 160 X 32MM	160 X 32
1415962	FRIATEC EF TAPPING SADDLE 160 X 50MM	160 X 50
1415963	FRIATEC EF TAPPING SADDLE 160 X 63MM	160 X 63
1415964	FRIATEC EF TAPPING SADDLE 180 X 32MM	180 X 32
1415965	FRIATEC EF TAPPING SADDLE 180 X 50MM	180 X 50
1415966	FRIATEC EF TAPPING SADDLE 180 X 63MM	180 X 63
1415967	FRIATEC EF TAPPING SADDLE 200 X 32MM	200 X 32
1415968	FRIATEC EF TAPPING SADDLE 200 X 50MM	200 X 50
1415969	FRIATEC EF TAPPING SADDLE 200 X 63MM	200 X 63
1415970	FRIATEC EF TAPPING SADDLE 225 X 32MM	225 X 32
1415971	FRIATEC EF TAPPING SADDLE 225 X 50MM	225 X 50
1415972	FRIATEC EF TAPPING SADDLE 225 X 63MM	225 X 63

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



PRESSURE TAPPING TEE – TOP LOADING WITH LONG SPIGOT

CODE	DESCRIPTION	SIZE (MM)
1415973	FRIATEC EF TAPPING SADDLE 250 315 X 63MM	250-315 X 63



END CAP FOR TAPPING TEE

CODE	DESCRIPTION
1415974	FRIATEC EF TAPPING SADDLE CAP 50MM



REPAIR SADDLE – WITH UNDERCLAMP

CODE	DESCRIPTION	SIZE (MM)
1415902	FRIATEC EF REPAIR SADDLE 63MM	63
1415903	FRIATEC EF REPAIR SADDLE 90MM	90
1415904	FRIATEC EF REPAIR SADDLE 110MM	110
1415905	FRIATEC EF REPAIR SADDLE 125MM	125
1415906	FRIATEC EF REPAIR SADDLE 160MM	160
1415907	FRIATEC EF REPAIR SADDLE 180MM	180
1415908	FRIATEC EF REPAIR SADDLE 200MM	200
1415909	FRIATEC EF REPAIR SADDLE 225MM	225



REPAIR SADDLE VACUUM SDR17

CODE	DESCRIPTION	SIZE (MM)
1416062	FRIATEC EF VAC REPAIR SADDLE SDR17 560MM	560
1416063	FRIATEC EF VAC REPAIR SADDLE SDR17 630MM	630
1416064	FRIATEC EF VAC REPAIR SADDLE SDR17 710MM	710
1416065	FRIATEC EF VAC REPAIR SADDLE SDR17 800MM	800
1416066	FRIATEC EF VAC REPAIR SADDLE SDR17 900MM	900
1416060	FRIATEC EF VAC REPAIR SADDLE SDR17 1000MM	1000
1416061	FRIATEC EF VAC REPAIR SADDLE SDR17 1200MM	1200

Pressure Ratings Water=PN16, Gas=PN5.

PE ELECTROFUSION FITTINGS

PE FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



REPAIR SADDLE – TOP LOADING

CODE	DESCRIPTION	SIZE (MM)
1415910	FRIATEC EF REPAIR SADDLE TL 250-560MM	250-560



TRANSITION SADDLE – WITH UNDERCLAMP GUNMETAL

CODE	DESCRIPTION	SIZE (MM)
1416025	FRIATEC EF TRANS SADDLE GM 63 X 40MM FI	63 X 40 FI
1416026	FRIATEC EF TRANS SADDLE GM 75 X 32MM FI	75 X 32 FI
1416027	FRIATEC EF TRANS SADDLE GM 90 X 40MM FI	90 X 40 FI
1416028	FRIATEC EF TRANS SADDLE GM 90 X 50MM FI	90 X 50 FI
1416029	FRIATEC EF TRANS SADDLE GM 110 X 40MM FI	110 X 40 FI
1416030	FRIATEC EF TRANS SADDLE GM 110 X 50MM FI	110 X 50 FI
1416031	FRIATEC EF TRANS SADDLE GM 125 X 40MM FI	125 X 40 FI
1416032	FRIATEC EF TRANS SADDLE GM 125 X 50MM FI	125 X 50 FI
1416033	FRIATEC EF TRANS SADDLE GM 160 X 40MM FI	160 X 40 FI
1416034	FRIATEC EF TRANS SADDLE GM 160 X 50MM FI	160 X 50 FI
1416035	FRIATEC EF TRANS SADDLE GM 180 X 40MM FI	180 X 40 FI
1416036	FRIATEC EF TRANS SADDLE GM 180 X 50MM FI	180 X 50 FI
1416037	FRIATEC EF TRANS SADDLE GM 225 X 50MM FI	225 X 50 FI



PE TO ROLL GROOVE ADAPTOR

CODE	DESCRIPTION	SIZE (MM)
1413176	FRIATEC PE RG ADAPTOR	125MM – 4"
1413177	FRIATEC PE RG ADAPTOR	180MM – 6"

PE ELECTROFUSION WELDERS

WELDERS FOR POLYETHYLENE PIPE SYSTEMS



The new FRIAMAT eco welders with traceability, documentation and Bluetooth® interface.

The eco range of welders feature bluetooth connectivity with the Friamat App for smartphones. With smart weld functions, once scanned in the welder automatically adjust all variables including ambient temperatures to create the perfect weld.

The 10 amp plug means it's suitable to run off any standard power point or generator. Torodial transformer technology with active cooling, for reduced process times at any size.

TECHNICAL SPECIFICATIONS

Technical data:

12 kg
10 amp / plug
Barcode Reader
Automatic temperature compensation
Bluetooth Connectivity
USB Smartphone charging port

WELDER

CODE	DESCRIPTION
1416183	FRIAMAT BASIC ECO WITH SCANNER
1413177	FRIAMAT PRIME ECO WITH BLUETOOTH SCANNER

PUSHFIT FITTINGS

3.4 SUR 1

PE-3408/PE-4

PLASSON® SERIES ONE

PUSH FITTINGS FOR POLYETHYLENE PIPE SYSTEMS

Plasson Series One range of innovative fittings is the market leader in design and manufacture of reliable fittings for polyethylene pipe systems. Fittings provide dedicated solutions for connecting PE pipe to various other pipe materials, such as Copper, Polybutylene and PEX.

The combination of Plasson's current fitting range and the new Series One fulfill the requirements of all markets for PE pipe connections and connections to other pipe materials.

BENEFITS

Attractive design

Push fittings are designed with a 16 bar pressure rating. Inserting the pipe up to the fitting stop creates both the seal and the grip on the pipe.

Reliable

Compact and attractive design makes this fitting ideal for the plumbing market, where space is limited and appearance is crucial. Simplicity of assembly makes both the professional and occasional user's job easier while retaining Plasson reliability.

FEATURES

- Aesthetically designed product — gives a professional finish to the job
- Assembly tools not required — simple push fit assembly
- Compact size — can be assembled in confined spaces
- Instant seal and integrity of joint — captive seal and no nuts to tighten
- Full end load performance — no need to restrain joints
- Transition from PE to internal plumbing PEX systems
- 50 year design life — provides total reliability
- Tamper resistant design — ensures system integrity
- Reduced stock shelf space
- Complies to AS/NZS 4129 Fittings for polyethylene (PE) pipes for pressure applications, License No. 2018



PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



Note:

Before installation, ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections and that both the pipe and the fitting itself are free of sand, mud, stones, etc. If fittings are reused, ensure that split ring and grip ring teeth are sharp and bite into the pipe, to avoid pullouts. If uncertain, replace the split ring and grip ring.

We strongly recommend the use of PTFE tape in threaded connections. For diameters 40mm and above, chamfering and lubrication of the pipe end will ease insertion (use silicone lubricant).

TECHNICAL SPECIFICATIONS

Compression Fittings

Body: Polypropylene, high grade copolymer

Nut: High Grade Polypropylene

Split Ring and Grip Ring: Acetal (POM)

Liner: Acetal (POM)

Seal: Nitrile rubber (NBR)

Reinforcing Ring: Stainless steel on all female offtakes from 1¼" up to 2"

MATERIAL SPECIFICATION

Threaded Fittings	
Body	Polypropylene, high grade copolymer
Reinforcing Ring	Stainless steel
Brass Threads	DZR

Operating Temperatures

The fittings are not to be used with hot water, although they withstand the same temperature as the polyethylene pipe itself.

Chemical Resistance

Plasson fittings are supplied, as standard, with polyacetal split and grip rings and NBR seals which are suitable for water.

Operating Pressures and Quality Certificates

Plasson fittings sizes 20-63 are tested and approved according to AS4129 to PN16.

Threads

All threads conform to ISO - 7/1, BS 21, DIN 2999, NEN 3258, AS 1722 Part 1.

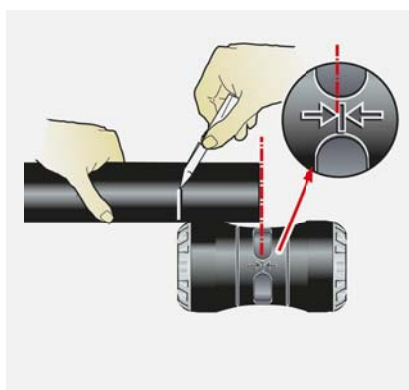
All external threads are tapered.

All internal threads are parallel.

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS

INSTALLATION



1

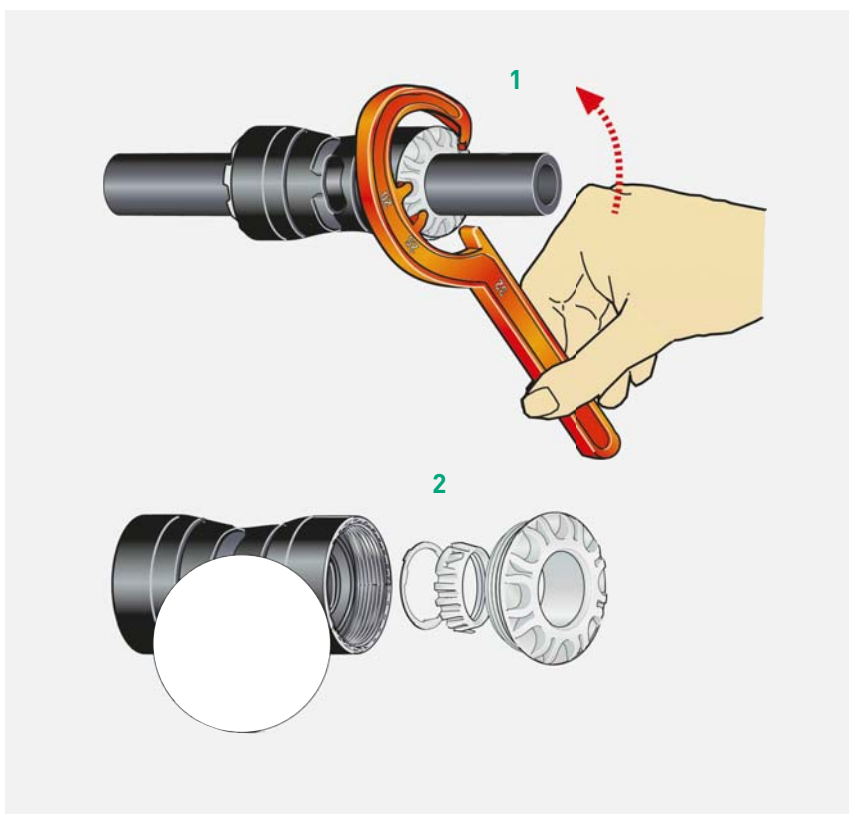


2



3

DISASSEMBLY



Note:

Before installation ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections and that both the pipe and the fitting itself are free of sand, mud, stones, etc. If fittings are reused, ensure that split ring and grip ring teeth are sharp and bite into the pipe, to avoid pullouts. If uncertain, replace the split ring and grip ring.

For diameters 40mm and above, chamfering and lubrication of the pipe end will ease insertion (use silicone lubricant).

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



COUPLER

CODE	DESCRIPTION	SIZE (MM)
P9P16.100.020	PLASSON PUSHFIT COUPLER 20MM	20
P9P16.100.025	PLASSON PUSHFIT COUPLER 25MM	25
P9P16.100.032	PLASSON PUSHFIT COUPLER 32MM	32
P9P16.100.040	PLASSON PUSHFIT COUPLER 40MM	40
P9P16.100.050	PLASSON PUSHFIT COUPLER 50MM	50
P9P16.100.063	PLASSON PUSHFIT COUPLER 63MM	63



REDUCING COUPLER

CODE	DESCRIPTION	SIZE (MM)
P9P16.14.025020	PLASSON PUSHFIT RED COUPLING 25 X 20MM	45
P9P16.14.032020	PLASSON PUSHFIT RED COUPLING 32 X 20MM	45
P9P16.14.032025	PLASSON PUSHFIT RED COUPLING 32 X 25MM	48
P9P16.14.063032	PLASSON PUSHFIT RED COUPLING 63 X 32MM	55



END PLUG

CODE	DESCRIPTION	SIZE (MM)
P9P16.140.020	PLASSON PUSHFIT END PLUG 20MM	45
P9P16.140.025	PLASSON PUSHFIT END PLUG 25MM	48
P9P16.140.032	PLASSON PUSHFIT END PLUG 32MM	53
P9P16.140.040	PLASSON PUSHFIT END PLUG 40MM	71
P9P16.140.050	PLASSON PUSHFIT END PLUG 50MM	79
P9P16.140.063	PLASSON PUSHFIT END PLUG 63MM	91

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



MALE ADAPTOR

CODE	DESCRIPTION	SIZE (MM)
P9P16.51.02083	PLASSON PUSHFIT MALE ADAPTOR 20P X 15MI	20P X 15MI
P9P16.51.02084	PLASSON PUSHFIT MALE ADAPTOR 20P X 20MI	20P X 20MI
P9P16.51.02583	PLASSON PUSHFIT MALE ADAPTOR 25P X 15MI	25P X 15MI
P9P16.51.02584	PLASSON PUSHFIT MALE ADAPTOR 25P X 20MI	25P X 20MI
P9P16.51.02585	PLASSON PUSHFIT MALE ADAPTOR 25P X 25MI	25P X 25MI
P9P16.51.03284	PLASSON PUSHFIT MALE ADAPTOR 32P X 20MI	32P X 20MI
P9P16.51.03285	PLASSON PUSHFIT MALE ADAPTOR 32P X 25MI	32P X 25MI
P9P16.51.03286	PLASSON PUSHFIT MALE ADAPTOR 32P X 32MI	32P X 32MI
P9P16.51.03287	PLASSON PUSHFIT MALE ADAPTOR 32P X 40MI	32P X 40MI
P9P16.51.04085	PLASSON PUSHFIT MALE ADAPTOR 40P X 25MI	40P X 25MI
P9P16.51.04086	PLASSON PUSHFIT MALE ADAPTOR 40P X 32MI	40P X 32MI
P9P16.51.04087	PLASSON PUSHFIT MALE ADAPTOR 40P X 40MI	40P X 40MI
P9P16.51.05087	PLASSON PUSHFIT MALE ADAPTOR 50P X 40MI	50P X 40MI
P9P16.51.05088	PLASSON PUSHFIT MALE ADAPTOR 50P X 50MI	50P X 50MI
P9P16.51.06387	PLASSON PUSHFIT MALE ADAPTOR 63P X 40MI	63P X 40MI
P9P16.51.06388	PLASSON PUSHFIT MALE ADAPTOR 63P X 50MI	63P X 50MI



FEMALE ADAPTOR

CODE	DESCRIPTION	SIZE (MM)
P9P16.53.02083	PLASSON PUSHFIT FEM ADAPTOR 20P X 15FI	20P X 15FI
P9P16.53.02084	PLASSON PUSHFIT FEM ADAPTOR 20P X 20FI	20P X 20FI
P9P16.53.02583	PLASSON PUSHFIT FEM ADAPTOR 25P X 15FI	25P X 15FI
P9P16.53.02584	PLASSON PUSHFIT FEM ADAPTOR 25P X 20FI	25P X 20FI
P9P16.53.02585	PLASSON PUSHFIT FEM ADAPTOR 25P X 25FI	25P X 25FI
P9P16.53.03284	PLASSON PUSHFIT FEM ADAPTOR 32P X 20FI	32P X 20FI
P9P16.53.03285	PLASSON PUSHFIT FEM ADAPTOR 32P X 25FI	32P X 25FI
P9P16.53.03286	PLASSON PUSHFIT FEM ADAPTOR 32P X 32FI	32P X 32FI
P9P16.53.04085	PLASSON PUSHFIT FEM ADAPTOR 40P X 25FI	40P X 25FI
P9P16.53.04086	PLASSON PUSHFIT FEM ADAPTOR 40P X 32FI	40P X 32FI
P9P16.53.04087	PLASSON PUSHFIT FEM ADAPTOR 40P X 40FI	40P X 40FI
P9P16.53.05086	PLASSON PUSHFIT FEM ADAPTOR 50P X 32FI	50P X 32FI
P9P16.53.05088	PLASSON PUSHFIT FEM ADAPTOR 50P X 50FI	50P X 50FI
P9P16.53.06387	PLASSON PUSHFIT FEM ADAPTOR 63P X 40FI	63P X 40FI
P9P16.53.06388	PLASSON PUSHFIT FEM ADAPTOR 63P X 50FI	63P X 50FI

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



TEE EQUAL

CODE	DESCRIPTION	SIZE (MM)
P9P16.122.020	PLASSON PUSHFIT TEE 20MM	20
P9P16.122.025	PLASSON PUSHFIT TEE 25MM	25
P9P16.122.032	PLASSON PUSHFIT TEE 32MM	32
P9P16.122.040	PLASSON PUSHFIT TEE 40MM	40
P9P16.122.050	PLASSON PUSHFIT TEE 50MM	50
P9P16.122.063	PLASSON PUSHFIT TEE 63MM	63



TEE REDUCING

CODE	DESCRIPTION	SIZE (MM)
P9P16.22.025020	PLASSON PUSHFIT 90D RED TEE 25 X 20 X 25MM	25 X 20 X 25
P9P16.22.032020	PLASSON PUSHFIT 90D RED TEE 32 X 20 X 32MM	32 X 20 X 32
P9P16.22.032025	PLASSON PUSHFIT 90D RED TEE 32 X 25 X 32MM	32 X 25 X 32



FEMALE TEE BSP

CODE	DESCRIPTION	SIZE (MM)
P9P16.21.02083	PLASSON PUSHFIT FEMALE TEE 20P X 15FI	20P X 15FI
P9P16.21.02084	PLASSON PUSHFIT FEMALE TEE 20P X 20FI	20P X 20FI
P9P16.21.02583	PLASSON PUSHFIT FEMALE TEE 25P X 15FI	25P X 15FI
P9P16.21.02584	PLASSON PUSHFIT FEMALE TEE 25P X 20FI	25P X 20FI
P9P16.21.02585	PLASSON PUSHFIT FEMALE TEE 25P X 25FI	25P X 25FI
P9P16.21.03285	PLASSON PUSHFIT FEMALE TEE 32P X 25FI	32P X 25FI
P9P16.21.03286	PLASSON PUSHFIT FEMALE TEE 32P X 32FI	32P X 32FI



ELBOW 90 D

CODE	DESCRIPTION	SIZE (MM)
P9P16.115.020	PLASSON PUSHFIT 90DEG ELBOW 20MM	20
P9P16.115.025	PLASSON PUSHFIT 90DEG ELBOW 25MM	25
P9P16.115.032	PLASSON PUSHFIT 90DEG ELBOW 32MM	32
P9P16.115.040	PLASSON PUSHFIT 90DEG ELBOW 40MM	40
P9P16.115.050	PLASSON PUSHFIT 90DEG ELBOW 50MM	50
P9P16.115.063	PLASSON PUSHFIT 90DEG ELBOW 63MM	63

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



WALL PLATE ELBOW

CODE	DESCRIPTION	SIZE (MM)
P9P16.161.02083	PLASSON PUSHFIT W/PLATE ELBOW 20P X 15FI	20P X 15FI
P9P16.161.02084	PLASSON PUSHFIT W/PLATE ELBOW 20P X 20FI	20P X 20FI
P9P16.161.02583	PLASSON PUSHFIT W/PLATE ELBOW 25P X 15FI	25P X 15FI
P9P16.161.02584	PLASSON PUSHFIT W/PLATE ELBOW 25P X 20FI	25P X 20FI



MALE ELBOW 90° BSP

CODE	DESCRIPTION	SIZE (MM)
P9P16.05.02083	PLASSON PUSHFIT 90DEG MALE ELB 20P X 15MI	20P X 15MI
P9P16.05.02084	PLASSON PUSHFIT 90DEG MALE ELB 20P X 20MI	20P X 20MI
P9P16.05.02583	PLASSON PUSHFIT 90DEG MALE ELB 25P X 15MI	25P X 15MI
P9P16.05.02584	PLASSON PUSHFIT 90DEG MALE ELB 25P X 20MI	25P X 20MI
P9P16.05.02585	PLASSON PUSHFIT 90DEG MALE ELB 25P X 25MI	25P X 25MI
P9P16.05.03284	PLASSON PUSHFIT 90DEG MALE ELB 32P X 20MI	32P X 20MI
P9P16.05.03285	PLASSON PUSHFIT 90DEG MALE ELB 32P X 25MI	32P X 25MI
P9P16.05.03286	PLASSON PUSHFIT 90DEG MALE ELB 32P X 32MI	32P X 32MI
P9P16.05.04085	PLASSON PUSHFIT 90DEG MALE ELB 40P X 25MI	40P X 25MI
P9P16.05.04086	PLASSON PUSHFIT 90DEG MALE ELB 40P X 32MI	40P X 32MI
P9P16.05.04087	PLASSON PUSHFIT 90DEG MALE ELB 40P X 40MI	40P X 40MI



FEMALE ELBOW 90° BSP

CODE	DESCRIPTION	SIZE (MM)
P9P16.16.02083	PLASSON PUSHFIT 90DEG FEM ELB 20P X 15FI	20P X 15FI
P9P16.16.02084	PLASSON PUSHFIT 90DEG FEM ELB 20P X 20FI	20P X 20FI
P9P16.16.02085	PLASSON PUSHFIT 90DEG FEM ELB 20P X 25FI	20P X 25FI
P9P16.16.02583	PLASSON PUSHFIT 90DEG FEM ELB 25P X 15FI	25P X 15FI
P9P16.16.02584	PLASSON PUSHFIT 90DEG FEM ELB 25P X 20FI	25P X 20FI
P9P16.16.02585	PLASSON PUSHFIT 90DEG FEM ELB 25P X 25FI	25P X 25FI
P9P16.16.03284	PLASSON PUSHFIT 90DEG FEM ELB 32P X 20FI	32P X 20FI
P9P16.16.03285	PLASSON PUSHFIT 90DEG FEM ELB 32P X 25FI	32P X 25FI
P9P16.16.03286	PLASSON PUSHFIT 90DEG FEM ELB 32P X 32FI	32P X 32FI



STOP TAP

CODE	DESCRIPTION	SIZE (MM)
P9P16.614.020	PLASSON PUSHFIT STOP TAP 20MM	20
P9P16.614.025	PLASSON PUSHFIT STOP TAP 25MM	25
P9P16.614.032	PLASSON PUSHFIT STOP TAP 32MM	32

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



TIGHTENING WRENCH

CODE	DESCRIPTION	SIZE (MM)
1410367	PLASSON SERIES ONE WRENCH 20-32MM	20 - 32
1410366	PLASSON SERIES ONE WRENCH 40-63MM	40 - 63



NUT

CODE	DESCRIPTION	SIZE (MM)
1410403	PLASSON PUSHFIT NUT 20MM	20
1410404	PLASSON PUSHFIT NUT 25MM	25
1410405	PLASSON PUSHFIT NUT 32MM	32
1410406	PLASSON PUSHFIT NUT 40MM	40
1410407	PLASSON PUSHFIT NUT 50MM	50
1410408	PLASSON PUSHFIT NUT 63MM	63



O-RING

CODE	DESCRIPTION	SIZE (MM)
1410409	PLASSON PUSHFIT O-RING 20MM	20
1410410	PLASSON PUSHFIT O-RING 25MM	25
1410411	PLASSON PUSHFIT O-RING 32MM	32

PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS



GRIP RING

CODE	DESCRIPTION	SIZE (MM)
1410421	PLASSON PUSHFIT GRIP RING 20MM	20
1410422	PLASSON PUSHFIT GRIP RING 25MM	25
1410423	PLASSON PUSHFIT GRIP RING 32MM	32
1410424	PLASSON PUSHFIT GRIP RING 40MM	40
1410425	PLASSON PUSHFIT GRIP RING 50MM	50
1410426	PLASSON PUSHFIT GRIP RING 63MM	63



SPLIT RING

CODE	DESCRIPTION	SIZE (MM)
1410415	PLASSON PUSHFIT SPLIT RING 20MM	20
1410416	PLASSON PUSHFIT SPLIT RING 25MM	25
1410417	PLASSON PUSHFIT SPLIT RING 32MM	32
1410418	PLASSON PUSHFIT SPLIT RING 40MM	40
1410419	PLASSON PUSHFIT SPLIT RING 50MM	50
1410420	PLASSON PUSHFIT SPLIT RING 63MM	63



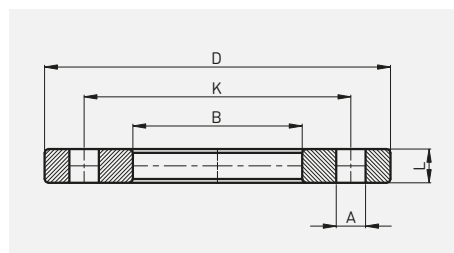
SHAPED SEAL

CODE	DESCRIPTION	SIZE (MM)
1410412	PLASSON PUSHFIT SHAPED SEAL 40MM	40
1410413	PLASSON PUSHFIT SHAPED SEAL 50MM	50
1410414	PLASSON PUSHFIT SHAPED SEAL 63MM	63

PE
ANCILLARY

PE BACKING RINGS ANSI 150 STAINLESS STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO ANSI 150 FOR FLANGE APPLICATIONS



BACKING RINGS - STAINLESS STEEL

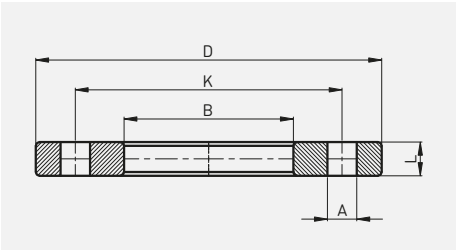
ANSI 150

CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.430.063	63	152	78	120.5	10	20	5/8"	4	1
PO900.430.075	75	178	92	139.5	10	20	5/8"	4	1
PO900.430.090	90	191	108	152.0	12	20	5/8"	4	1
PO900.430.110	110	229	128	190.5	12	20	5/8"	8	1
PO900.430.125	125	254	140	216.0	16	23	3/4"	8	1
PO900.430.140	140	254	158	216.0	16	23	3/4"	8	1
PO900.430.160	160	279	178	241.0	16	23	3/4"	8	1
PO900.430.180	180	279	195	241.0	16	23	3/4"	8	1
PO900.430.200	200	343	235	298.5	20	23	3/4"	8	1
PO900.430.225	225	343	240	298.5	20	23	3/4"	8	1
PO900.430.250	250	406	290	362.0	20	26	7/8"	12	1
PO900.430.280	280	406	300	362.0	20	26	7/8"	12	1
PO900.430.315	315	483	345	432.0	25	26	7/8"	12	1
PO900.430.355	355	535	376	476.0	28	29	1"	12	1
PO900.430.400	400	600	430	540.0	32	29	1"	16	1
PO900.430.450	450	635	480	578.0	36	32	1.1/8"	16	1
PO900.430.500	500	700	533	635.0	40	32	1.1/8"	20	1
PO900.430.560	560	750	590	692.0	46	35	1.1/4"	20	1
PO900.430.630	630	813	660	749.0	50	35	1.1/4"	20	1

PD = Pipe Diameter

PE BACKING RINGS TABLE D STAINLESS STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO AS2129/AS4087 FOR FLANGE APPLICATIONS



BACKING RINGS - STAINLESS STEEL

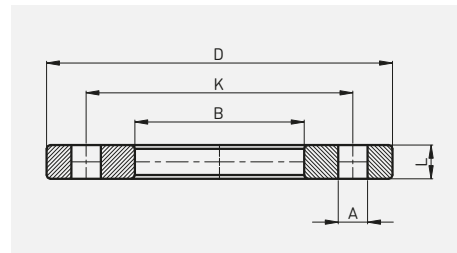
TABLE D | PN10 | AS2129

CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.422.050	50	135	62	98	8	14	12	4	1
PO900.422.063	63	150	78	114	8	18	16	4	1
PO900.422.075	75	165	92	127	8	18	16	4	1
PO900.422.090	90	185	108	146	10	18	16	4	1
PO900.422.110	110	215	128	178	10	18	16	4	1
PO900.422.125	125	255	140	210	13	18	16	8	1
PO900.422.140	140	255	158	210	13	18	16	8	1
PO900.422.160	160	280	178	235	13	18	16	8	1
PO900.422.180	180	280	195	235	13	18	16	8	1
PO900.422.200	200	335	235	292	13	18	16	8	1
PO900.422.225	225	335	240	292	13	18	16	8	1
PO900.422.250	250	405	290	356	16	22	20	8	1
PO900.422.280	280	405	300	356	16	22	20	8	1
PO900.422.315	315	455	345	406	16	22	20	12	1
PO900.422.355	355	525	376	470	22	26	24	12	1
PO900.422.400	400	580	430	521	22	26	24	12	1
PO900.422.450	450	640	480	584	25	26	24	12	1
PO900.422.500	500	705	533	641	29	26	24	16	1
PO900.422.560	560	760	590	699	32	30	27	16	1
PO900.422.630	630	825	660	756	32	30	27	16	1

PD = Pipe Diameter

PE BACKING RINGS TABLE E STAINLESS STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO AS2129/AS4087 FOR FLANGE APPLICATIONS



BACKING RINGS - STAINLESS STEEL

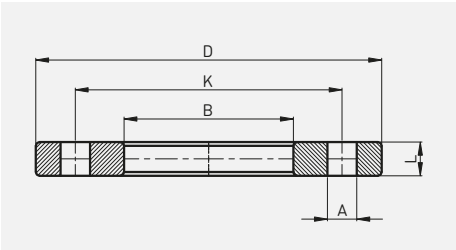
TABLE E | PN14 | AS2129/AS4087

CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.420.050	50	135	62	98	9	14	12	4	1
PO900.420.063	63	150	78	114	10	18	16	4	1
PO900.420.075	75	165	92	127	10	18	16	4	1
PO900.420.090	90	185	108	146	12	18	16	4	1
PO900.420.110	110	215	128	178	13	18	16	8	1
PO900.420.125	125	255	140	210	14	18	16	8	1
PO900.420.140	140	255	158	210	14	18	16	8	1
PO900.420.160	160	280	178	235	17	22	20	8	1
PO900.420.180	180	280	195	235	17	22	20	8	1
PO900.420.200	200	335	235	292	19	22	20	8	1
PO900.420.225	225	335	240	292	19	22	20	8	1
PO900.420.250	250	405	290	356	22	22	20	12	1
PO900.420.280	280	405	300	356	22	22	20	12	1
PO900.420.315	315	455	345	406	25	26	24	12	1
PO900.420.355	355	525	376	470	29	26	24	12	1
PO900.420.400	400	580	430	521	32	26	24	12	1
PO900.420.450	450	640	480	584	35	26	24	16	1
PO900.420.500	500	705	533	641	38	26	24	16	1
PO900.420.560	560	760	590	699	44	30	27	16	1
PO900.420.630	630	825	660	756	48	33	30	16	1

PD = Pipe Diameter

PE BACKING RINGS ANSI 150 GALVANISED STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO ANSI 150 FOR FLANGE APPLICATIONS



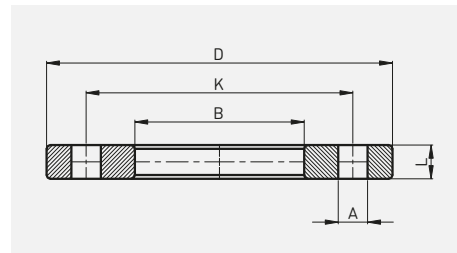
BACKING RINGS - GALVANISED STEEL
ANSI 150

CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.425.063	63	152	78	120.5	10	20	5/8"	4	1
PO900.425.075	75	178	92	139.5	10	20	5/8"	4	1
PO900.425.090	90	191	108	152.0	12	20	5/8"	4	1
PO900.425.110	110	229	128	190.5	12	20	5/8"	8	1
PO900.425.125	125	254	140	216.0	16	23	3/4"	8	1
PO900.425.140	140	254	158	216.0	16	23	3/4"	8	1
PO900.425.160	160	279	178	241.0	16	23	3/4"	8	1
PO900.425.180	180	279	195	241.0	16	23	3/4"	8	1
PO900.425.200	200	343	235	298.5	20	23	3/4"	8	1
PO900.425.225	225	343	240	298.5	20	23	3/4"	8	1
PO900.425.250	250	406	290	362.0	20	26	7/8"	12	1
PO900.425.280	280	406	300	362.0	20	26	7/8"	12	1
PO900.425.315	315	483	345	432.0	25	26	7/8"	12	1
PO900.425.355	355	535	376	476.0	28	29	1"	12	1
PO900.425.400	400	600	430	540.0	32	29	1"	16	1
PO900.425.450	450	635	480	578.0	36	32	1 1/8"	16	1
PO900.425.500	500	700	533	635.0	40	32	1 1/8"	20	1
PO900.425.560	560	750	590	692.0	46	35	1 1/4"	20	1
PO900.425.630	630	813	660	749.0	50	35	1 1/4"	20	1

PD = Pipe Diameter

PE BACKING RINGS TABLE D GALVANISED STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO AS2129/AS4087 FOR FLANGE APPLICATIONS



BACKING RINGS - GALVANISED STEEL

TABLE D | PN16 | AS2129

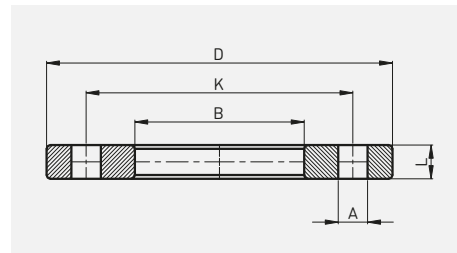
CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.415.110	110	215	128	178	10	18	16	4	1
PO900.415.125	125	255	140	210	13	18	16	8	1
PO900.415.140	140	255	158	210	13	18	16	8	1
PO900.415.160	160	280	178	235	13	18	16	8	1
PO900.415.180	180	280	195	235	13	18	16	8	1
PO900.415.200	200	335	235	292	13	18	16	8	1
PO900.415.225	225	335	240	292	13	18	16	8	1
PO900.415.250	250	405	290	356	16	22	20	8	1
PO900.415.280	280	405	300	356	16	22	20	8	1
PO900.415.315	315	455	345	406	19	22	20	12	1
PO900.415.355	355	525	376	470	22	26	24	12	1
PO900.415.400	400	580	430	521	22	26	24	12	1
PO900.415.450	450	640	480	584	25	26	24	12	1
PO900.415.500	500	705	533	641	29	26	24	16	1
PO900.415.560	560	760	590	699	32	30	27	16	1
PO900.415.630	630	825	660	756	32	30	27	16	1

PD = Pipe Diameter



PE BACKING RINGS TABLE E GALVANISED STEEL

BACKING RINGS DESIGNED AND MANUFACTURED TO AS2129/AS4087 FOR FLANGE APPLICATIONS



BACKING RINGS - GALVANISED STEEL

TABLE E | PN16 | AS2129

CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
P0900.416.050	50	135	62	98	9	14	12	4	1
P0900.416.063	63	150	78	114	10	18	16	4	1
P0900.416.075	75	165	92	127	10	18	16	4	1
P0900.416.090	90	185	108	146	12	18	16	4	1
P0900.416.110	110	215	128	178	13	18	16	8	1
P0900.416.125	125	255	140	210	14	18	16	8	1
P0900.416.140	140	255	158	210	14	18	16	8	1
P0900.416.160	160	280	178	235	17	22	20	8	1
P0900.416.180	180	280	195	235	17	22	20	8	1
P0900.416.200	200	335	235	292	19	22	20	8	1
P0900.416.225	225	335	240	292	19	22	20	8	1
P0900.416.250	250	405	290	356	22	22	20	12	1
P0900.416.280	280	405	300	356	22	22	20	12	1
P0900.416.315	315	455	345	406	25	26	24	12	1
P0900.416.355	355	525	376	470	29	26	24	12	1
P0900.416.400	400	580	430	521	32	26	24	12	1
P0900.416.450	450	640	480	584	35	26	24	16	1
P0900.416.500	500	705	533	641	38	26	24	16	1
P0900.416.560	560	760	620	699	44	30	27	16	1
P0900.416.630	630	825	650	756	48	33	30	16	1

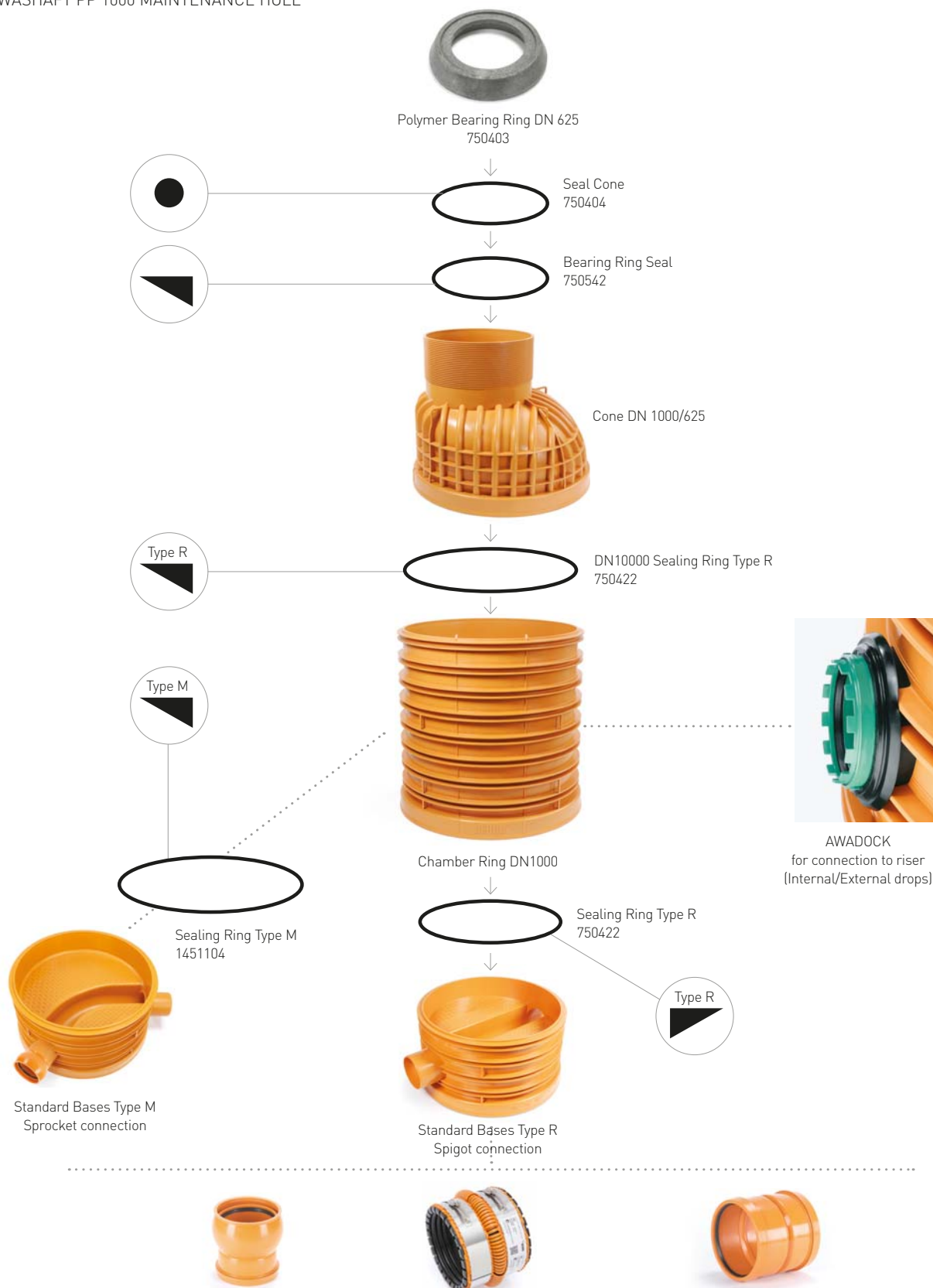
PD = Pipe Diameter

MAINTENANCE SHAFTS

Polymer Bearing Ring DN 625

REHAU® MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE



MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE

FIELD OF APPLICATION		GRAVITY SEWER SYSTEMS
DESCRIPTION		MAINTENANCE HOLE AWASHAFT PP 1000
FIGURE		
GENERAL PROPERTIES	Nominal diameter [DN]	DN 1000
	Man-entry	yes
	Material	PP free of fillers, free of foaming additives and recycled materials
	Depth (recommended)	8 M (5 M)
	Maximum traffic load	Bis SLW 60 (F900) / Class D
	Buoyancy safety, maximum groundwater level above pipe bottom	5 M
	Pipe connections	Rubber ring / welded connection
	Tightness of the attached parts (pipe connection)	0.8 bar (2.4 bar)
	Minimum installation depth (Depending on the type of cover)	1.19 M
MATERIAL PROPERTIES	Relevant standards fulfilled	DIN EN 13598-2, DIN EN 476
	Chemical resistance	pH 1 – 13
	Temperature resistance	–20 °C to short-term 90 °C
ADVANTAGES/CUSTOMER BENEFITS	Recyclable	yes
		Impermeable against infiltration water
		Solid and Load bearing under high traffic loads (up to SLW 60 /Class D)
		Buoyancy protection even at high groundwater levels
		Certified service life of 100 years design life
		Premium injection moulding quality made from polypropylene
		Chamber with flexible modular system with integrated vertical ladde
		Easy inspection chamber concept for every application
		10 year warranty

MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE

MAINTENANCE HOLE/CHAMBER AWASHAFT PP 800	MAINTENANCE CHAMBER AWASHAFT PP 600	MAINTENANCE SHAFT AWASHAFT PP 400/315
		
DN 800	DN 600	DN 400 / TMS
yes / no	no	no
PP free of fillers, free of foaming additives and recycled materials	PP free of fillers, free of foaming additives and recycled materials	PP-HM (High Modulus)
6 M [3 M]	6 M [3 M]	6 M [3 M]
Up SLW 60 (F900) / Class D	Up SLW 60 (F900) / Class D	D 400 / Class D
5 M	5 M	3 M
Rubber ring joint / welded joint	Rubber ring joint / welded joint	Rubber ring joint
1 bar [2.4 bar]	0.5 bar [2.4 bar]	0.5 bar [0.5 bar]
1.04 M	1.01 M	
WSA 137, WSA 02, EN 13598-2, EN 476	WSA 137, WSA 02, EN 13598-2, EN 476	WSA 137, WSA 02, EN 13598-2, EN 476
pH 1 – 13	pH 1 – 13	pH 1 – 13
–20 °C up to short-term 90 °C	–20 °C up to short-term 90 °C	
yes	yes	yes
Ideal for occasional access	Cost effective due to the size	Ideal as a building inspection chamber for land drainage
Solid and load bearing under high traffic loads (up to SLW 60/ Class D)	Long service life: Corrosion resistant PP extends the service life	Fast and easy to install via variable single components
Buoyancy safety even at high groundwater levels	Safe and inspection-friendly	Can be installed without expensive equipment
Long service life and leak-proof	Easy site handling. Low labour and equipment costs thanks to weight and installation benefits	Problem-free insertion of inspection testing and maintenance equipment
Easy to inspect and safe		Long service life and leak proof
Cost effective due to the size		
Can be perfectly combined with DN 1000		



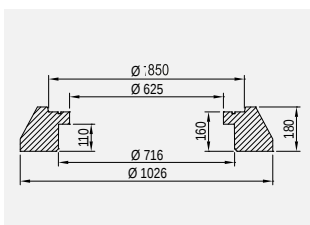
MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE

AWASHAFT DN 1000/800 POLYMER BEARING RING

Material: polymer

Colour: grey



CODE	DESCRIPTION	DN	WEIGHT KG/PC
750403	Polymer bearing ring	625	45
750404	Seal cone bearing ring (rubber). sand-tight	625	0.5
750542	Bearing ring rubber seal		

Note: Both a Seal Cone and Rubber Seal are required for each Polymer Bearing Ring.

AWASHAFT PP DN 1000 – CONE DN 1000/625

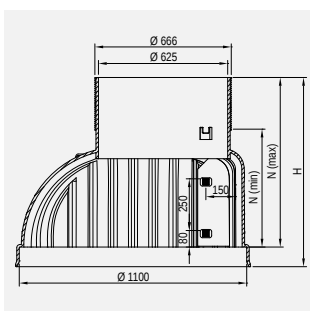
incl. vertical ladder

without cone seal DN 625

Shortening dimension: max. 250mm

Material RAU-PP 2300

Colour: orange



CODE	DESCRIPTION	N MAX (MM)	N MIN (MM)	H (MM)	WEIGHT KG/PC
750405	With vertical ladder	820	570	915	45
750422	Element seal DN 1000 Type R (1 per cone)				

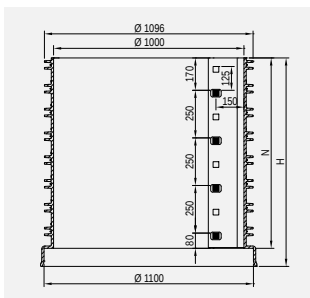
AWASHAFT PP DN 1000 – RISER RINGS DN 1000

without element seal DN 1000

Material RAU-PP 2300

Colour: orange

Side inlet possible refer to AWADOCK



CODE	DESCRIPTION	EFFECTIVE LENGTH N (MM)	HEIGHT H (MM)	WEIGHT KG/PC
750406	Incl. Vertical ladder	250	345	22
750407	Incl. Vertical ladder	500	595	36
750408	Incl. Vertical ladder	750	845	48
750409	Incl. Vertical ladder	1000	1095	65
750422	Element seal DN 1000 Type R (1 per riser ring)			

AWASHAFT PP 1000 Maintenance Hole

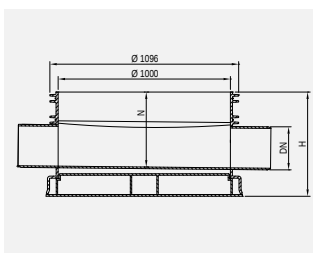
MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE

AWASHAFT PP 1000 – STANDARD CHAMBER BASES FOR DN/ID 150 INLET/OUTLET

EPDM sealing ring (Safety-Lock);
Element seal DN1000 Type R/Type M Sold Separately
Slope 0%

Material: RAU-PP 2300
Colour: orange



CONFIGURATION		SEAL TYPE	INLET/OUTLET DN/ID DN/OD		CONNECTION	CODE	EFFECTIVE HEIGHT	HEIGHT	WEIGHT/PC
	180°	Type R	150	160	Spigot	750410	435	605	62
			225	250	Spigot	770143	435	605	74
			300	315	Spigot	770221	435	605	75
	165° & 195°	Type R	175*	200	Spigot	750412	435	605	70
			300	315	Spigot	770148	435	605	75
	150° & 210°	Type R	175*	200	Spigot	750413	435	605	69
			300	315	Spigot	770147	435	605	75
	135° & 225°	Type R	175*	200	Spigot	750414	435	605	70
			300	315	Spigot	770168	435	605	75
	Element Seal DN1000 Type R					750422	To be used with Risers and Type R Bases		
	DN/ID 200–160 reducer					750423	Reduce DN/ID 200 to DN/ID 160 outlet		
	DN/ID 250–200 reducer					750508	Reduce DN/ID 250 to DN/ID 200 outlet		
	AWADUCT PP Double Socket DN150					750424	Connect Spigot end to pipe or reducer		
	AWADUCT PP Double Socket Dn175					750425	Connect Spigot end to pipe or reducer		
	AWADUCT PP Double Socket DN225					750507	Connect Spigot end to pipe or reducer		
	AWADUCT PP Double Socket DN300					770207	Connect Spigot end to pipe or reducer		
	AWADUCT PP Sleeve Coupler DN150					770211	Connect Spigot end to pipe or reducer		
	AWADUCT PP Sleeve Coupler DN175					770212	Connect Spigot end to pipe or reducer		
	AWADUCT PP Sleeve Coupler DN225					770213	Connect Spigot end to pipe or reducer		
	AWADUCT PP Vario Socket DN225					770208	Flexible double socket with 7.5° deflection		
	AWADUCT PP Vario Socket DN300					770209	Flexible double socket with 7.5° deflection		

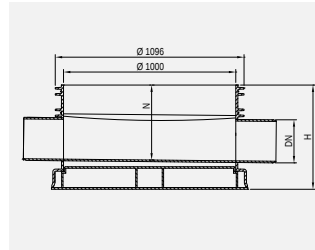
MAINTENANCE SHAFTS

AWASHAFT PP 1000 MAINTENANCE HOLE

AWASHAFT PP 1000 – STANDARD CHAMBER BASES FOR DN/ID 150 INLET/OUTLET

EPDM sealing ring (Safety-Lock);
Element seal DN1000 Type R/Type M Sold Separately
Slope 0%

Material: RAU-PP 2300
Colour: orange



CHANNEL SHAPE	CONFIGURATION	SEAL TYPE	INLET/OUTLET DN/ID DN/OD		CONNECTION	CODE	EFFECTIVE HEIGHT	HEIGHT	WEIGHT/PC
60° 	120° & 240°	Type M	175*	200	Socket	750415	435	605	80
			225	250	Spigot	770166	435	605	74
	90° & 270°	Type M	175*	200	Socket	750417	435	605	79
			225	250	Socket	770141	435	605	80
	RML 45°	Type M	175*	200	Socket	750416	435	605	89
			225	250	Spigot	770185	435	605	74
			300	315	Spigot	750554	435	605	80
	RML 90°	Type M	175*	200	Socket	750418	435	605	88
			225	250	Socket	770140	435	605	74
			300	315	Spigot	750550	435	605	70
	ML 90°	Type M	175*	200	Socket	750420	435	605	89
			225	250	Socket	770144	435	605	74
			300	315	Spigot	750552	435	605	90
	RM 270°	Type M	175*	200	Socket	750419	435	605	89
			225	250	Socket	770145	435	605	74
			300	315	Spigot	750551	435	605	90
	RL 90°/270°	Type M	175*	200	Socket	750421	435	605	88
			225	250	Socket	770142	435	605	74
			300	315	Spigot	750553	435	605	90
	Element Seal DN1000 Type M					750493	To be used Type M Bases		

*DN/ID 175 inlets require 175/150 reducers to connect to DN150 pipework

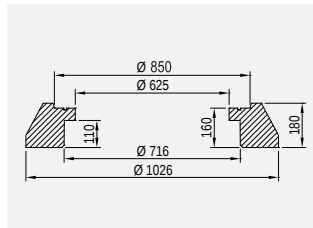
MAINTENANCE SHAFTS

AWASHAFT PP 800 MAINTENANCE HOLE/CHAMBER

AWASHAFT 1000/800 POLYMER BEARING RING DN625

Material: polymer

Colour: grey



CODE	DESCRIPTION	DN	WEIGHT KG/PC
750403	Polymer bearing ring	625	45
750404	Seal cone bearing ring (optional). sand-tight	625	0.5
750542	Bearing ring rubber seal		

Note: Both a Seal Cone and Rubber Seal are required for each Polymer Bearing Ring.

AWASHAFT PP 800 – CONE DN 800/625

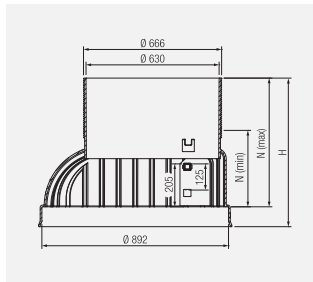
incl. vertical ladder

without cone seal DN 625

Shortening dimension: max.250 mm

Material: RAU-PP 2300

Colour: orange



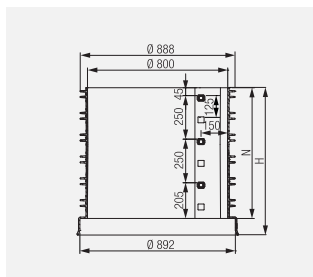
CODE	DESCRIPTION	N MAX (MM)	N MIN (MM)	H (MM)	WEIGHT KG/PC
750429	Incl. Vertical ladder	615	365	710	20
750446	Element seal DN 800 (1 per cone)				

AWASHAFT PP 800 – RISER RINGS DN 800

without element seal DN 800

Material: RAU-PP 2300

Colour: orange



CODE	DESCRIPTION	EFFECTIVE LENGTH N (MM)	HEIGHT H (MM)	WEIGHT KG/PC
750430	Incl. Vertical ladder	125	220	7
750431	Incl. Vertical ladder	250	345	11
750432	Incl. Vertical ladder	500	595	20
750433	Incl. Vertical ladder	750	845	29
750446	Element seal DN 800 (1 per riser ring)			

MAINTENANCE SHAFTS

AWASHAFT PP 800 MAINTENANCE HOLE/CHAMBER

AWASHAFT PP 800 – STANDARD CHAMBER BASES

without element seal DN 800

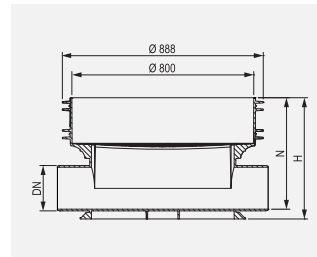
Inlet and outlet as spigot end,

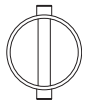
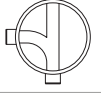
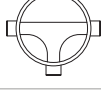
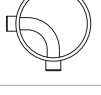
ball joint/articulated sockets optional, slope 0%

no side inlets possible

Material: RAU-PP 2300

Colour: orange



CHANNEL SHAPE	CONFIGURATION	INLET/OUTLET DN/ID	DN/OD	CODE	EFFECTIVE HEIGHT	HEIGHT	WEIGHT/PC
	180°	150	160	750434	455	535	23
	RML 90°	150	160	750435	455	535	23
	RM 270°	150	160	750436	455	535	23
	ML 90°	150	160	750437	455	535	23
	RL 90/270°	150	160	750438	455	535	23
	90°	150	160	750444	455	535	23
	270°	150	160	750445	455	535	23
	Element seal DN 800 (1 per base) 190859-001			750446			

DN250 and DN315 also available on request (lead time applies)

MAINTENANCE SHAFTS

AWASHAFT PP 600 MAINTENANCE CHAMBER

AWASHAFT PP 600 TELESCOPIC ADAPTER

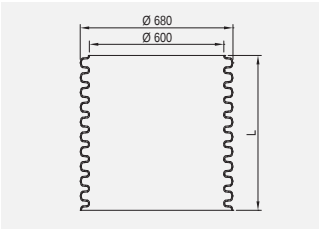


CODE	EFFECTIVE HEIGHT (MM)	HEIGHT (MM)	DIAMETER (MM)	DIAMETER MAX (MM)
770200	300-140	490	590	770
770201	300-140	490	590	850
770202	Seal for telescopic adapter			

AWASHAFT PP DN 600 – RISER RING DN600

without element seal DN 600
Corrugated inside and out

Material: RAU-PP 2300
Colour: Orange



CODE	CONFIGURATION	DN	KG/PC
750490	1000	680	600
750491	1500	680	600
750492	3000	680	600
750489	Element seal DN 600 [1 per ring]		

MAINTENANCE SHAFTS

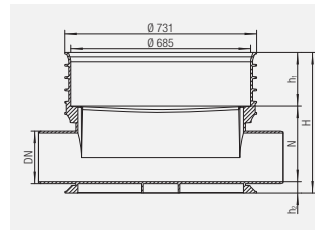
AWASHAFT PP 600 MAINTENANCE CHAMBER

AWASHAFT PP 600 – CHAMBER BASES

without element seal DN 600
Inlet and outlet as spigot end, slope 0%

Material: RAU-PP 2300

Colour: Orange



CHANNEL SHAPE	CONFIGURATION	INLET/OUTLET DN/ID	DN/OD	CODE	EFFECTIVE HEIGHT N (MM)	HEIGHT (MM)
	180°	150	160	750468	250	536
		225	250	750470	330	600
		300	315	770214	385	664
	RML 90°	150	160	750471	250	560
		225	250	750473	330	710
		300	315	770215	385	664
	RM 270°	150	160	750474	250	560
		225	250	750476	330	710
		300	315	770216	385	664
	ML 90°	150	160	750558	250	560
		225	250	750479	330	710
		300	315	770217	385	664
	RL 90°/270°	150	160	750480	250	560
		225	250	750482	330	710
		300	315	770218	385	664
	AG 90°	150	160	750558	250	560
		225	250	750485	330	710
		300	315	770219	385	664
	AG 270°	150	160	750558	250	560
		225	250	750488	330	710
		300	315	770220	385	664
	30°	150	160	750560	250	560
	45°	150	160	750561	250	560
	60°	150	160	750562	250	560
	Element seal DN 600 (1 per base)			750489		

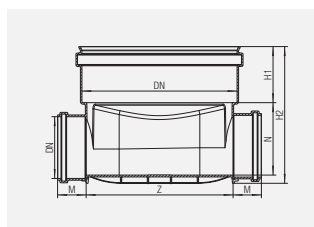
DN200 also available on request

MAINTENANCE SHAFTS

AWASHAFT PP 400/315/250 MAINTENANCE SHAFT

AWASHAFT PP 400 MAINTENANCE SHAFT

Material: PP-HM (High Modulus)
Colour: Orange



	CODE	CONFIGURATION	RISER DN/OD	INLET/OUTLET DN/ID DN/OD		N (MM)	H ₂ (MM)	WEIGHT [KG/PC]
	750350	Straight	400	150	160	189	356	3
	750351	RML 45°	400	150	160	189	356	3.5

AWASHAFT TERMINAL MAINTENANCE SHAFT

Material: RAU-PP 2300
Colour: Orange

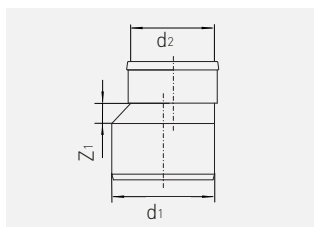


CODE	RISER DN/OD	INLET/OUTLET DN/ID	DN/OD	EFFECTIVE HEIGHT (MM)	TOTAL HEIGHT (MM)	WEIGHT [KG/PC]
750467	225	150	160	410	525	8

AWADUCT PP REDUCING RISER FOR AWASHAFT DN400 MAINTENANCE SHAFT

To reduce riser size to DN/ID 300 and 225

Material: RAU-PP
Colour: Orange



CODE	INLET/OUTLET DN/ID	DN/OD	EFFECTIVE HEIGHT (MM)	WEIGHT [KG/PC]
750352	375/300	400/315	63	4.9



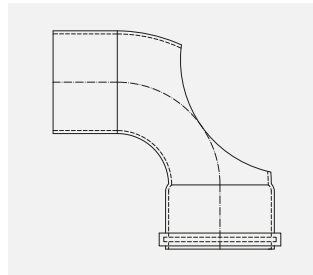
MAINTENANCE SHAFTS

AWADUCT, AWADOCK FITTINGS AND ACCESSORIES

AWADUCT PP, INSPECTION ELBOW

With EPDM sealing ring
Type: KGB

Material: RAU-PP 2300
Colour: Orange

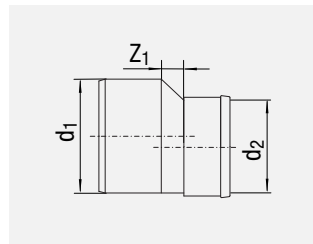


CODE	ARTICLE	DN/ID	DN/OD	WEIGHT
750449	Inspection elbow	150	160	1,0
750450	Inspection elbow	175	200	1,7

AWADUCT PP REDUCER

With EPDM sealing ring
Type: KGR

Material: RAU-PP 2300
Colour: Orange



CODE	INLET/OUTLET DN/ID	DN/OD	WEIGHT [KG/PC]
770210	150/100	160/110	0.5
750423	175/150	200/160	0.9
750508	225/175	250/200	1.7
750397	300/225	315/250	3.0

AWADUCT PP SLEEVE COUPLER

With EPDM sealing ring
Type: KGR

Material: RAU-PP 2300
Colour: Orange



CODE	DN/ID	DN/OD	LENGTH (MM)	MAXIMUM OD (MM)
770211	150	160	157	187
770212	175	200	184	232
770213	225	250	225	293

MAINTENANCE SHAFTS

AWADUCT, AWADOCK FITTINGS AND ACCESSORIES

AWADUCT PP VARIO COUPLER

With EPDM sealing ring
Type: KGR

Material: RAU-PP 2300
Colour: Orange

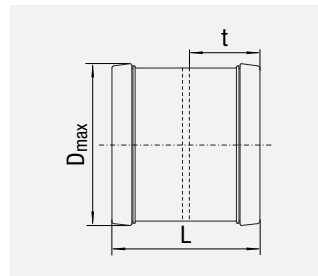


CODE	DN/ID	DN/OD	LENGTH (MM)	MAXIMUM OD (MM)	INSERTION DEPTH (MM)
770208	225	250	260	296	120
770209	300	315	298	365	136

AWADUCT PP DOUBLE SOCKET

With EPDM sealing ring
Type: KGMM

Material: RAU-PP 2300
Colour: Orange

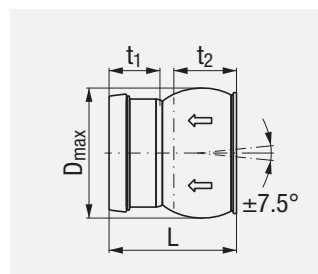


CODE	DN/ID	DN/OD	L (MM)	D _{MAX} (MM)	T
750424	150	160	157	187	77
750425	175	200	184	232	90
750507	225	250	225	293	110
770207	300	315	260	363	127

AWADUCT BALL JOINT

Angle adjustment by $\pm 7,5^\circ$ all directions
with EPDM sealing ring

Material: RAU-PP 2300
Colour: Orange



CODE	CONNECT	DN/ID	DN/OD	L (MM)	D _{MAX} (MM)	T ₁ (MM)	T ₂ (MM)
750426	Socket/Socket	150	160	202	210	82	101
750353	Socket/Spigot	150	160	207	210	–	101
750427	Socket/Socket	175	200	226	253	78	112
750428	Socket/Spigot	175	200	243	253	–	112

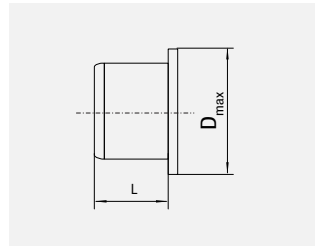
MAINTENANCE SHAFTS

AWADUCT, AWADOCK FITTINGS AND ACCESSORIES

AWADUCT SOCKET PLUG

Material: RAU-PP 2300

Colour: Orange



CODE	DN/ID	DN/OD	L (MM)	D _{max} (MM)
750390	150	160	63	174
770204	175	200	74	215
770205	225	250	89	262

AWADUCT FLEX-CONNECT

Universal connection for sewer pipes with different material

Material: RAU-PP, EPDM, stainless steel, Q-TE-C

Colour: orange, black, silver

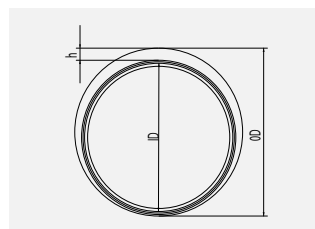


CODE	TYPE	CLAMPING RANGE (MM)	INSERTION DEPTH (MM)
750398	110	110 - 145	85
750399	125	123 - 162	85
750400	160	160 - 200	85
750401	200	200 - 260	105

OFF-CENTRE COMPENSATING RING (EAR)

For reducing a possible step

Material: EPDM/Q-TE-C



CODE	TYPE	ID (MM)	OD (MM)	H (MM)
750402	EAR 200	200	222	16 - 18

MAINTENANCE SHAFTS

AWADUCT, AWADOCK FITTINGS AND ACCESSORIES

CONNECTION OF SEWER PIPES MADE OF PVC AND PP
TO REHAU AWASHAFT PP DN 1000/DN 800

Material: SBR/PP
Colour: black/green



CODE	LENGTH SPIGOT END (MM)	DN/ID	DN/OD	BORE DIA. (MM)
750447	60	150	160	200
750448	50	175	200	250

INSTALLATION WRENCH FOR AWADOCK

Material: stainless steel/plastic
Colour: silver



CODE	DESCRIPTION
750451	AWADOCK Installation Wrench

AWADOCK HOLE SAW

For drilling polymer pipes and chambers
incl. hole saw retainer, drill chuck,
centering drill with ejector



CODE	BORE DIAMETER (MM)	PACKAGING UNIT
750452	200	Tool case
750453	250	Piece