

PRODUCT RANGE GUIDE

VOLUME 2

PLASTIC SYSTEMS
INDUSTRIAL SYSTEMS

The logo for viadux, featuring a stylized white icon of two dots connected by a diagonal line, followed by the word "viadux" in a dark blue, lowercase, sans-serif font.

WATER NETWORK SOLUTIONS



As one of Australia's most qualified suppliers of Water Network Solutions, Viadux sources a complete range of products from carefully selected manufacturers. Through our deep industry knowledge, we make sure that every item in this catalogue meets the strictest quality control standards.



SEARCH

To help you find what you need, each product page in this guide has a coloured edge. Just match the colours for each category listed on the Contents page. Or you can search by industries, which are detailed in the Industry Reference Guide.



SELECT

As part of our service, our nation-wide team of water experts understands the drawings for any project design. In many cases, we'll even suggest new options that can help you solve the problem faster and with more security and reliability.



SOLUTION

With our wide supply networks, Viadux offers fast delivery and dedicated customer care. For larger projects, we'll manage the scheduling for you — making sure that the right products are delivered to the right place at the right time, every time.

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WE ARE WATER PEOPLE

At Viadux we are driven by a purpose to help Australians access the water they need for progress. We have a proud history in the water industry and along with our parent company, Reece Group, support the civil, industrial and irrigation sectors with an innovative and comprehensive range of specialised products.



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

Jointing 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	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)

DWV PVC FITTINGS SWJ

LEVEL INVERT TAPERS / COUPLINGS



LEVEL INVERT TAPERS (REDUCERS) SWJ M&F

CODE	SIZE (MM)	DESCRIPTION
R22.600021.1510	150X100	DWV 150X100 LIT M&F SWJ (M)
R22.600021.2215	225X150	DWV 225X150 LIT M&F SWJ (M)
R22.600021.2210	225X100	DWV 225X100 LIT M&F SWJ (M)
R22.600021.3022	300X225	DWV 300X225 LIT M&F SWJ (M)
R22.600021.3015	300X150	DWV 300X150 LIT M&F SWJ (M)
R22.600021.3010	300X100	DWV 300X100 LIT M&F SWJ (M)
R22.600021.3730	375X300	DWV 375X300 LIT M&F SWJ
R22.600021.3722	375X225	DWV 375X225 LIT M&F SWJ
R22.600021.3715	375X150	DWV 375X150 LIT M&F SWJ
R22.600021.3710	375X100	DWV 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	DWV 100 COUPLING F&F SWJ (M)
R22.400011.150	150	DWV 150 COUPLING F&F SWJ
R22.400011.225	225	DWV 225 COUPLING F&F SWJ
R22.400011.300	300	DWV 300 COUPLING F&F SWJ
R22.400011.375	375	DWV 375 COUPLING F&F SWJ

SLAB REPAIR COUPLING SWJ F&F

CODE	SIZE (MM)	DESCRIPTION
R22.440012.100	100	DWV 100 REPAIR COUP F&F SWJ (M)
R22.440012.150	150	DWV 150 REPAIR COUP F&F SWJ (M)
R22.440012.225	225	DWV 225 REPAIR COUP F&F SWJ (M)
R22.440012.300	300	DWV 300 REPAIR COUP F&F SWJ
R22.440012.375	375	DWV 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	DWV 100 SLIP COUPLING SWJ
R22.420001.150	150	DWV 150 SLIP COUPLING SWJ
R22.420001.225	225	DWV 225 SLIP COUPLING SWJ
R22.420001.300	300	DWV 300 SLIP COUPLING SWJ
R22.420001.375	375	DWV 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

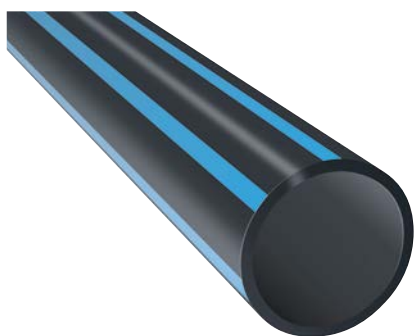
PE100 BLACK - PN8-PN20

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



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

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

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

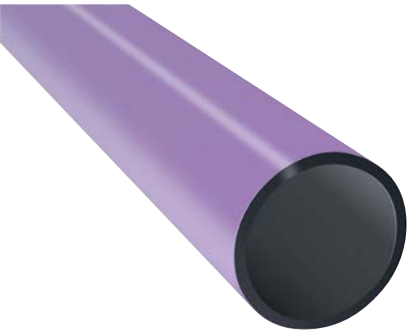
Butt welding, electrofusion, flanged joints, mechanical couplings, compression fittings

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.

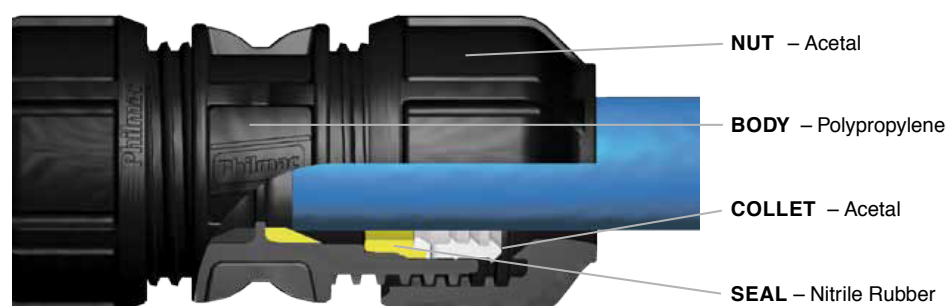
COMPRESSION FITTINGS

PHILMAC® PE METRIC COMPRESSION FITTINGS

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

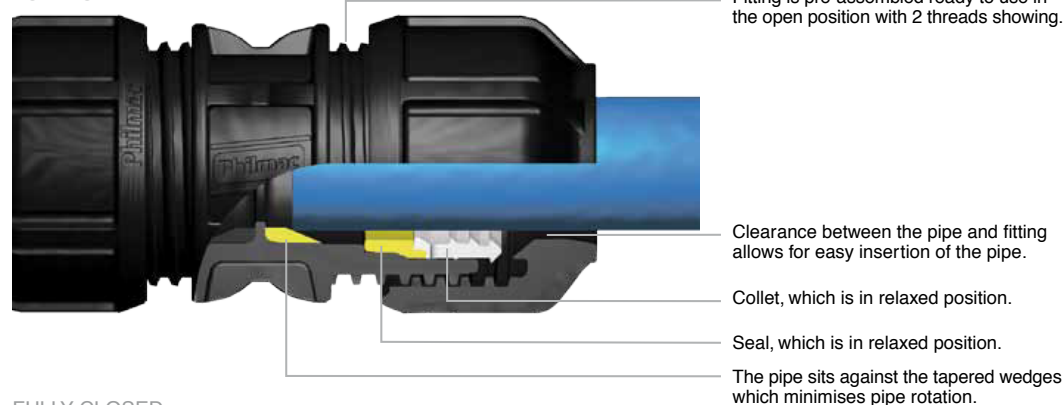
MATERIALS & COMPONENTS

For sizes 16-50mm only.

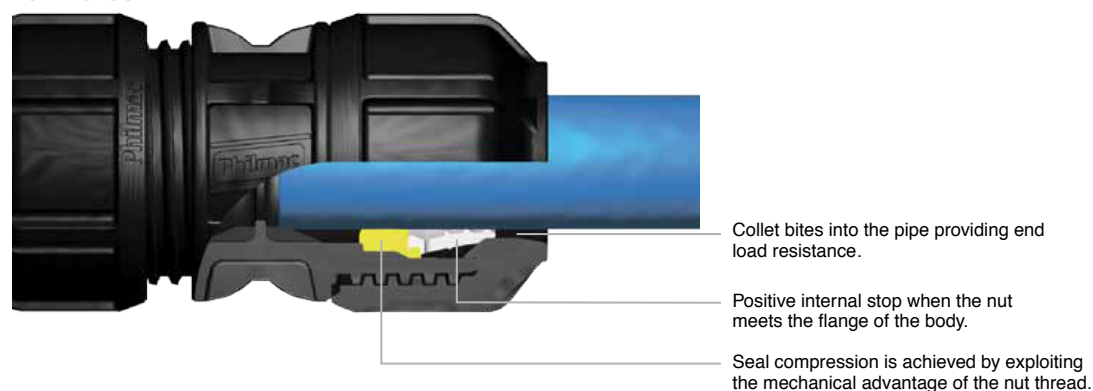


PRINCIPALS OF OPERATION

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

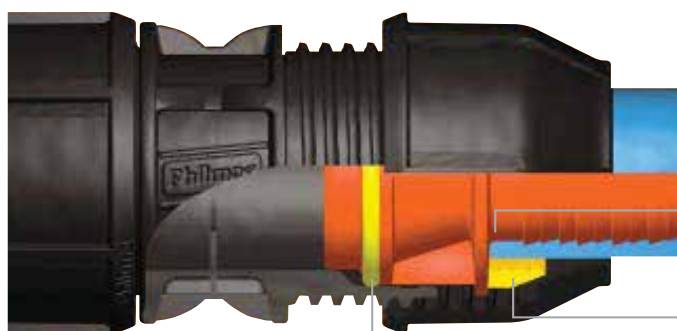
- The Clamp Ring creates an improved and uniform wrap-around of the pipe surface, avoiding the problem of pipes with undersized wall thickness rising up from the barbed insert which can result in leakages
- Sectoring and higher conicity enables the tightening of the nut with minimal interference with 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



Insert fully installed into the pipe up to the shoulder of the insert.

Split ring is in the relaxed position.

Insert with seal ring attached has been pushed back into the fitting body.

Fully Closed



Split ring bites into the pipe providing end load resistance.

Seal compression is achieved when nut has pushed the seal into the compression chamber.



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	
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.

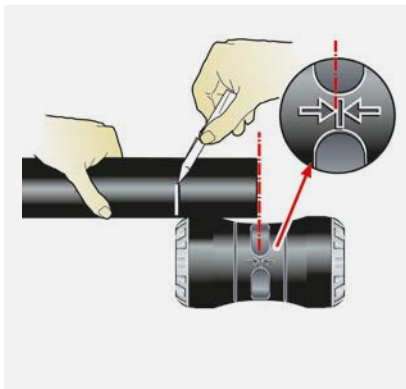
All external threads are tapered.

All internal threads are parallel.

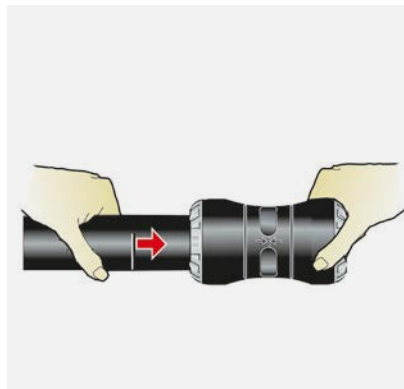
PLASSON PUSHFIT FITTINGS

PUSHFIT FITTINGS FOR POLYETHYLENE PIPE SYSTEMS

INSTALLATION



1

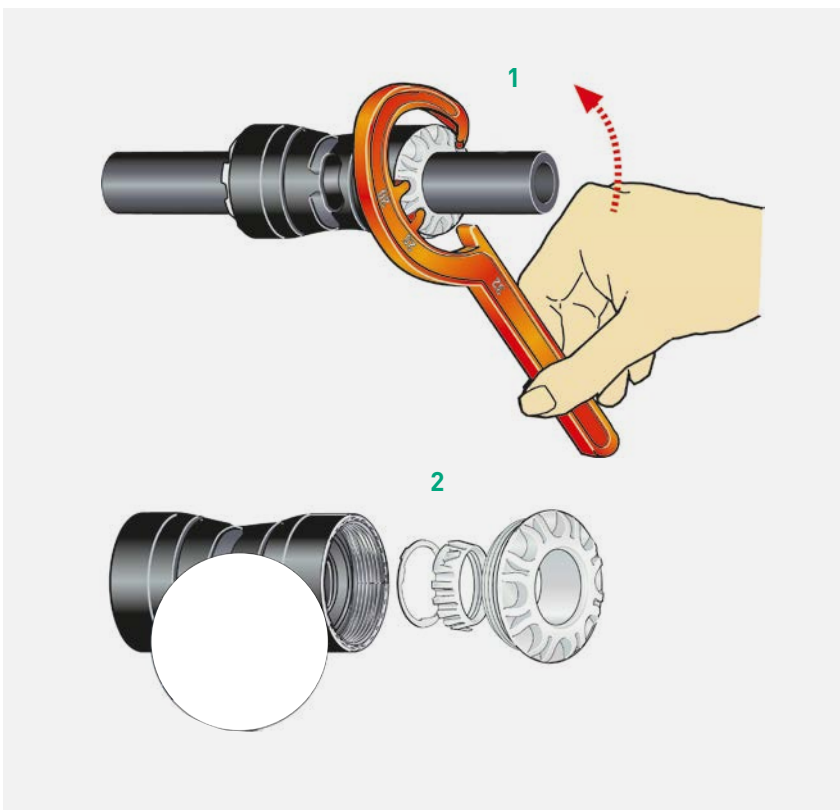


2



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



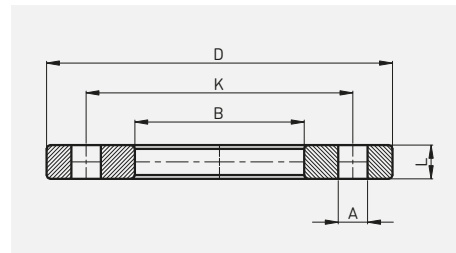
SHAPED SEAL

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

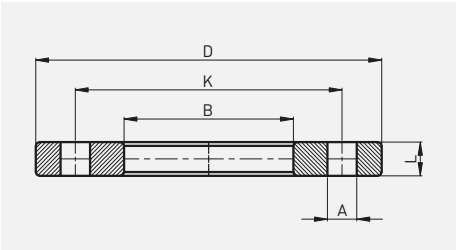
ANSI 150

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

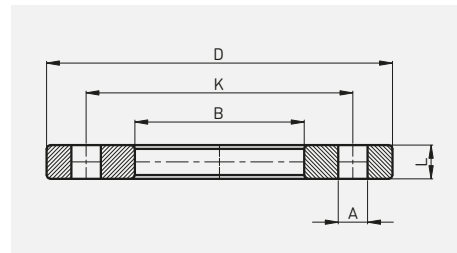
TABLE D | PN10 | AS2129

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

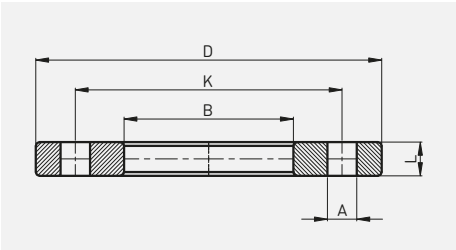
TABLE E | PN14 | AS2129/AS4087

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



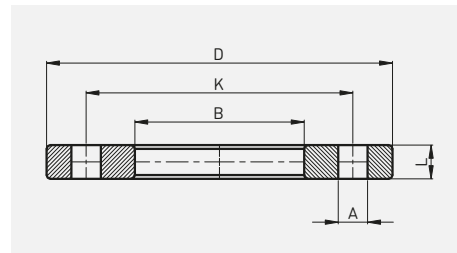
BACKING RINGS - GALVANISED STEEL
ANSI 150

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

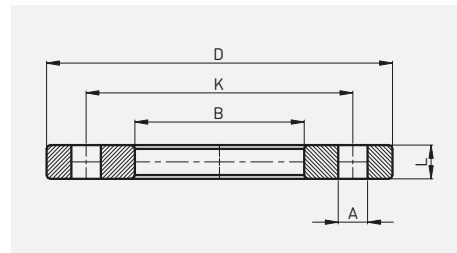
CODE	PD (MM)	D (MM)	B (MM)	K (MM)	L (MM)	A (MM)	BOLT DIAMETER	NUMBER OF HOLES	BOX QTY
PO900.415.110	110	215	128	178	10	18	16	4	1
PO900.415.125	125	255	140	210	13	18	16	8	1
PO900.415.140	140	255	158	210	13	18	16	8	1
PO900.415.160	160	280	178	235	13	18	16	8	1
PO900.415.180	180	280	195	235	13	18	16	8	1
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

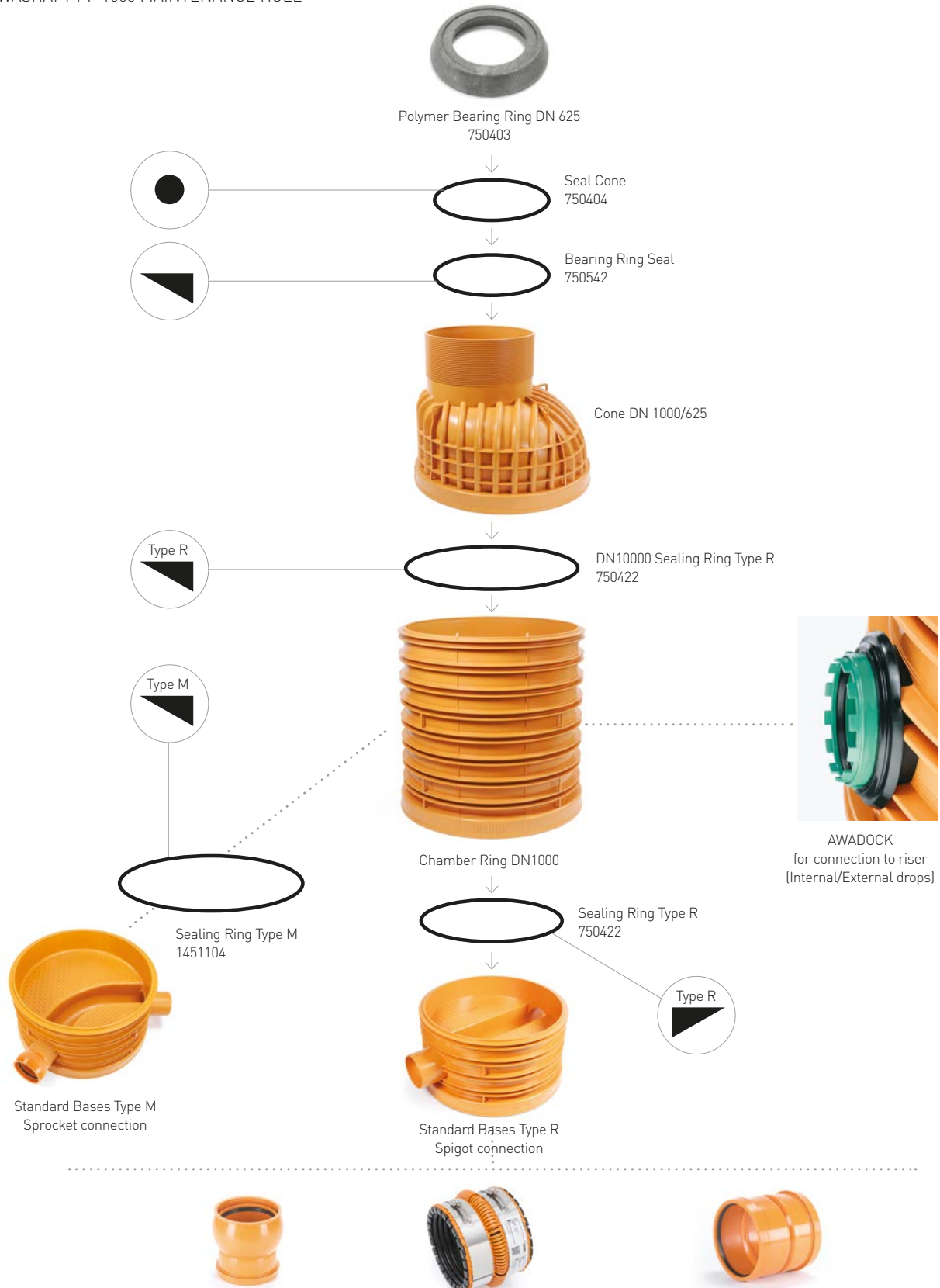
PD = Pipe Diameter

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		



PLASTIC SYSTEMS / MAINTENANCE SHAFTS

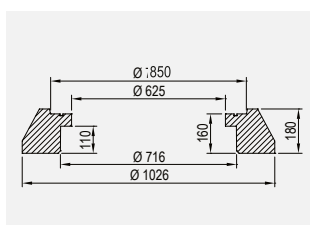
MAINTENANCE SHAFTS

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

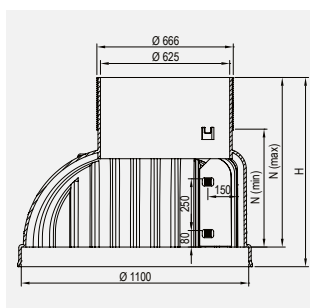
incl. vertical ladder

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)				

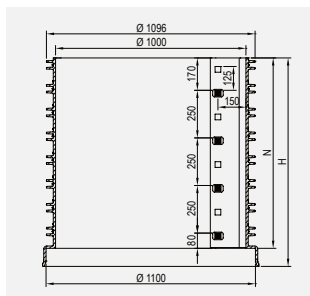
AWASHAFT PP DN 1000 – RISER RINGS DN 1000

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

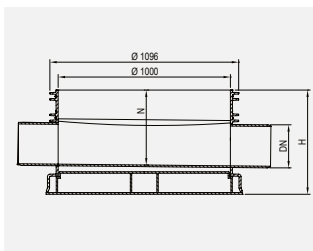
MAINTENANCE SHAFTS

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		

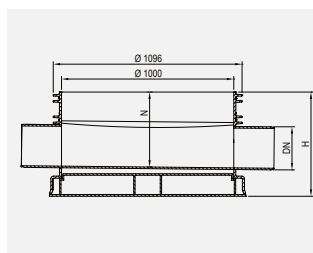
MAINTENANCE SHAFTS

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

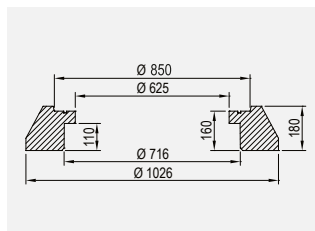
MAINTENANCE SHAFTS

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

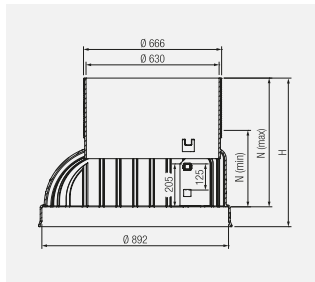
incl. vertical ladder

without cone seal DN 625

Shortening dimension: max.250 mm

Material: RAU-PP 2300

Colour: orange



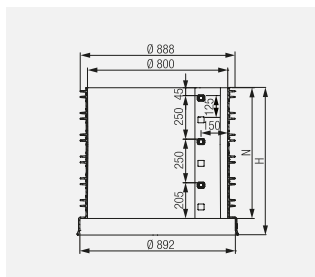
CODE	DESCRIPTION	N MAX (MM)	N MIN (MM)	H (MM)	WEIGHT KG/PC
750429	Incl. Vertical ladder	615	365	710	20
750446	Element seal DN 800 (1 per cone)				

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

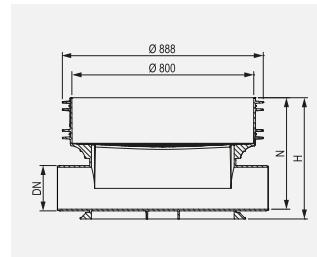
Inlet and outlet as spigot end,

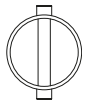
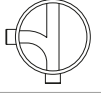
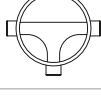
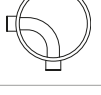
ball joint/articulated sockets optional, slope 0%

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

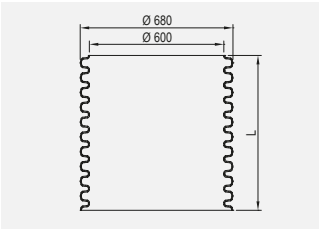


CODE	EFFECTIVE HEIGHT (MM)	HEIGHT (MM)	DIAMETER (MM)	DIAMETER MAX (MM)
770200	300-140	490	590	770
770201	300-140	490	590	850
770202	Seal for telescopic adapter			

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

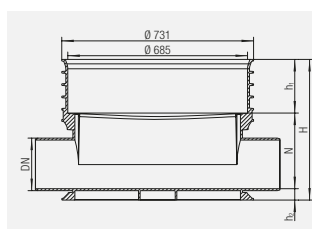
AWASHAFT PP 600 – CHAMBER BASES

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		

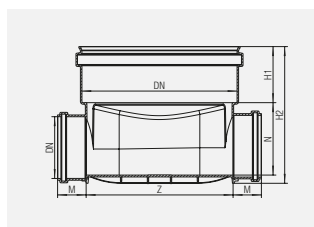
DN200 also available on request

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

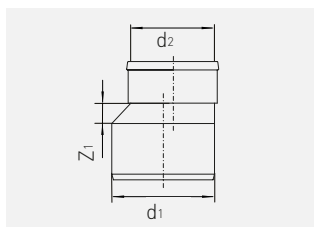


CODE	RISER DN/OD	INLET/OUTLET DN/ID	DN/OD	EFFECTIVE HEIGHT (MM)	TOTAL HEIGHT (MM)	WEIGHT [KG/PC]
750467	225	150	160	410	525	8

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



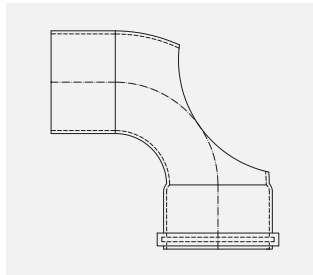
MAINTENANCE SHAFTS

AWADUCT, AWADOCK FITTINGS AND ACCESSORIES

AWADUCT PP, INSPECTION ELBOW

With EPDM sealing ring
Type: KGB

Material: RAU-PP 2300
Colour: Orange

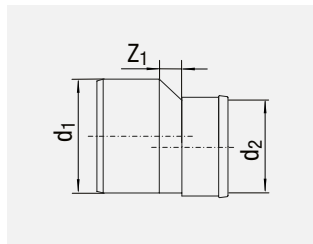


CODE	ARTICLE	DN/ID	DN/OD	WEIGHT
750449	Inspection elbow	150	160	1,0
750450	Inspection elbow	175	200	1,7

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

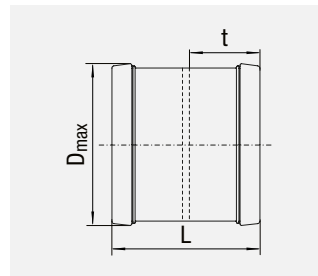


CODE	DN/ID	DN/OD	LENGTH (MM)	MAXIMUM OD (MM)	INSERTION DEPTH (MM)
770208	225	250	260	296	120
770209	300	315	298	365	136

AWADUCT PP DOUBLE SOCKET

With EPDM sealing ring
Type: KGMM

Material: RAU-PP 2300
Colour: Orange

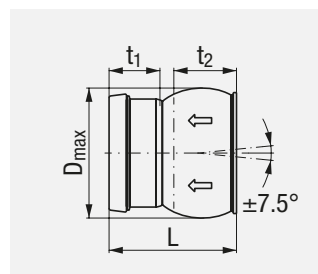


CODE	DN/ID	DN/OD	L (MM)	D _{MAX} (MM)	T
750424	150	160	157	187	77
750425	175	200	184	232	90
750507	225	250	225	293	110
770207	300	315	260	363	127

AWADUCT BALL JOINT

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

Material: RAU-PP 2300
Colour: Orange



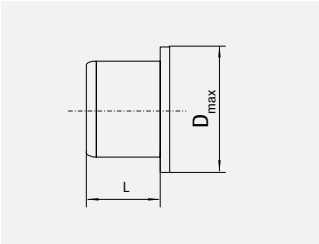
CODE	CONNECT	DN/ID	DN/OD	L (MM)	D _{MAX} (MM)	T ₁ (MM)	T ₂ (MM)
750426	Socket/Socket	150	160	202	210	82	101
750353	Socket/Spigot	150	160	207	210	–	101
750427	Socket/Socket	175	200	226	253	78	112
750428	Socket/Spigot	175	200	243	253	–	112

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

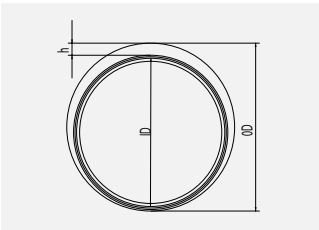
Universal connection for sewer pipes with different material
Material: RAU-PP, EPDM, stainless steel, Q-TE-C
Colour: orange, black, silver



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



INDUSTRIAL SYSTEMS



Schedule 80 Pipes	6.03
Schedule 80 Fittings	6.11
Schedule 80 Valves	6.53
ABS Systems	6.55
GRP Systems	6.103

SCHEDULE 80 PIPES

GEORG FISCHER

SCHEDULE 80 PIPE SYSTEMS

CORROSION RESISTANT PRESSURE PIPE RESISTANT TO MOST ACIDS, BASES, SALTS, ALIPHATIC SOLUTIONS AND OXIDANTS

Schedule 80 uPVC (un-plasticised Poly Vinyl Chloride) is a light and flexible thermoplastic with excellent corrosion resistance. These properties and high engineering design values make it an ideal material for many and varied application. Schedule 80 uPVC can realise substantial installation and ongoing savings to installations across all industries.

Schedule 80 uPVC will not rust or corrode and is not subject to electrolysis. The correct installation of Schedule 80 uPVC will ensure years of trouble free operation. PVC can be buried and will not be affected by soil conditions or galvanic corrosion.

TEMPERATURE

Schedule 80 uPVC can be used at temperatures up to 60°C (see temperature de-rating chart).

CHEMICAL RESISTANCE

Schedule 80 uPVC is highly resistant to acids, alkalis and many corrosive materials. It is Ideal for chemical process piping and general service installation. Please contact your local Viadux representative for more information.

MAINTENANCE FREE SERVICE

Painting is not required for indoor installation. When exposed to significant sunlight we recommend the system be painted. Two coats of white, water based, outdoor paint will provide suitable protection.

APPLICATIONS

Schedule 80 uPVC pipe systems have been in service for over 50 years they have provided a versatile and dependable replacement to metallic pipe systems throughout industry and building services. Today uPVC pipe systems are the preferred option for many everyday applications. Backed by industry standards and third party certification, uPVC pipe systems deliver outstanding solutions.

PRESSURE RATING OF PIPE AT SERVICE TEMPERATURES – BAR

SIZE (IN)	23°C	32°C	38°C	43°C	48°C	54°C	60°C
15 (½")	55 Bar	43 Bar	36 Bar	29 Bar	23 Bar	17 Bar	12 Bar
20 (¾")	47	35	29	23	18	14	10
25 (1")	43	32	26	21	17	13	9
32 (1¼")	35	26	22	17	14	10	7
40 (1½")	32	24	20	16	12	9	7
50 (2")	27	20	17	13	11	8	6
65 (2½")	29	21	18	14	11	8	6
80 (3")	25	19	16	12	10	7	5
100 (4")	22	16	13	11	8	6	4
125 (5")	20	-	-	-	-	-	-
150 (6")	19	14	11	9	7	5	4
200 (8")	17	12	10	8	6	5	3
250(10")	17.2	-	-	-	-	-	-
300(12")	15.9	-	-	-	-	-	-

1. Pressure ratings at 23°C are rounded from calculated values.
2. Pressure ratings are for uPVC 12454-B pipe and are calculated from experimental long term strength of uPVC extrusion compounds. Moulding compound properties may differ from pipe compounds. Therefore systems combining pipe and moulded fittings may have lower pressure ratings than those shown in the above table. This is particularly likely at elevated temperatures above 40°C.
3. When valves, flanges and other components are added to the system the system must be re-rated to take these components ratings into account.

SCHEDULE 80 PIPE SYSTEMS

DESIGN

PIPE EXPANSION – ABOVE GROUND

Pipe expansion of a cold solvent cement welded pipeline may be accommodated using any one or combination of the following techniques:

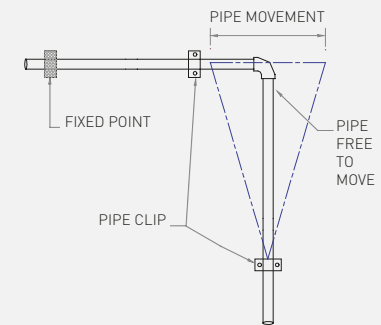
- Pipe route planning
- Expansion loops
- Expansion joints (rubber bellows)
- Pipe wall stressing

PIPE ROUTE PLANNING

In the vast majority of cases, effective route planning can eliminate the requirement of expansion loops, or expansion bellows etc with consequent financial savings.

The basic principle of design is to allow pipe runs to move axially from a fixed point (anchor) and then guide this movement into a change of pipe direction ensuring that the pipe is free to flex as shown in figure 1.

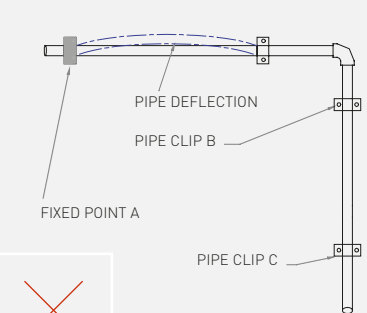
FIGURE 1



An inappropriate installation is shown in figure 2. The pipe run is fixed at one end (A) and constrained at the other (B).

As the temperature increases the pipe will try to expand but will have nowhere to go as the ends are constrained by clip (B). Thus the pipe will 'snake' between supports as indicated.

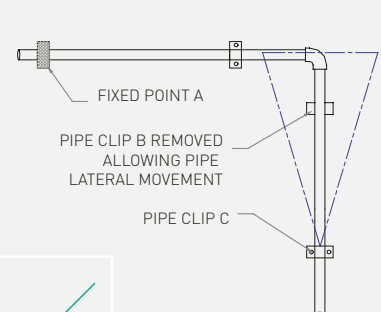
FIGURE 2



In figure 3, effective route leg planning has eliminated the need for expansion loops etc by a simple redesign of pipe supports.

By utilising a suitable pipe support to allow free lateral pipe movement, the pipe can be installed with sufficient flexibility to expand and contract. The support at (C) remains but the clip at pipe support (B) is eliminated to give sufficient length for flexibility.

FIGURE 3



SCHEDULE 80 PIPE SYSTEMS

JOINTING

SOLVENT WELDING EQUIPMENT

- Pipe Cutter or Saw
- Chamfering Tool or File
- Felt Tip Pen
- Paper Towel or Clean Cloth
- Applicator or Brush
- Tape measure
- Primer and Cement

SOLVENT WELDING CONDITIONS

Cementing should be carried out in dry conditions at temperatures between 5°C and 40°C. Avoid cementing in direct sunlight and windy conditions.

Store Cement and Primer safely in cool dry location.

Cement and Primer is flammable keep away from naked flame and sparks from adjacent equipment.

SOLVENT WELDING PROCESS

- Make sure pipe is clean of any dust moisture or grease. Wipe with clean dry cloth.
- Shake the cement tin to ensure it is well mixed.
- Cut pipe to required length making sure that the cut is square.
- Chamfer end.
- Mark socket depth witness mark and second witness mark on pipe.
- Apply primer to pipe and socket. Vigorously work primer in to the surfaces to soften. This is critical to the solvent weld process.
- Without delay shake cement tin again. Open lid and commence application of cement to the joining surfaces of pipe and socket. You will require two coats to the pipe and a single lighter coat to the socket of the fitting.
- Quickly insert pipe (squarely) to the fitting socket.
- Check pipe insertion against witness mark.
- You should observe a uniform bead around the outside of the fitting hub. There will be a tendency for the pipe to push back – hold firmly in place to allow the cement to set (30 second to 1 minute).
- Remove excess cement.
- Leave undisturbed to set firm.
- Allow 24 hours before pressure testing.

If in doubt contact your Viadux representative.

SCHEDULE 80 PIPE SYSTEMS

INSTALLATION OF PIPE AND FITTINGS



PIPE SUPPORT

The basic principle of correct pipe support is to allow controlled axial movement of the pipe while providing lateral restraint and adequate support for the pipe.

The hanger type support does not provide lateral restraint to the pipe and therefore encourages snaking and so should be avoided except where located adjacent to the changes in direction where flexibility may be required.

Thus Pipe Supports Should:

- Be rigid in construction to adequately support pipe (fabricated mild steel angle being ideal).
- Have a wide bearing area, to allow pipe to move easily over support.
- Resist deflection, thus transferring loads to the structure.
- Be free from sharp burrs or edges to avoid cutting or damaging pipe wall.
- Allow controlled axial movement of the pipe.
- Provide lateral restraint, where required.

Pipe Clips Should:

- Allow controlled axial pipe movement
- Be free from burrs or sharp edges
- Provide required lateral restraint

- All clips shall be corrosion- resistant.
- Pipe clips, other than anchor clips shall be so constructed that, when they are securely fixed, longitudinal movement of the pipe is permitted.
- Anchor clips for fixed points shall be constructed so that when they are tightened, the fitting or pipe is securely and evenly clamped to prevent movement. The bearing width shall be 25 mm minimum.
- Metal clips shall be used in conjunction with resilient material to protect the pipe and shall have a finished clearance across the diameter to allow for radial and longitudinal movement. All materials shall be compatible with uPVC, and be smooth and free from protrusions.

Viadux stock a range of suitable pipe clips for pipe sizes up to DN 200. For sizes DN 225 and above fabricated mild steel clips with a radial clearance as per the following table are suitable.

PIPE DIAMETER	MINIMUM CLEARANCE
Up to DN150	2 mm
DN200 - DN450	5 mm
DN500 - DN750	10 mm

SCHEDULE 80 PIPE SYSTEMS

INSTALLATION

PIPE CLAMPS

It is essential that plastic pipes be adequately supported. This will avoid sagging and unnecessary stress. The table below provides guidance on clip spacing. It is important to select pipe clips that allow pipe to expand and contract. Viadux offer a range of pipe clips designed specifically for plastic pipe systems.

PIPE SUPPORT PADS

The use of pipe support pads between pipe and support is strongly recommended where there is likely to be considerable movement of the pipe or chafing of the pipe from vibration. High density polyethylene sheet 6 - 10 mm is suitable for this purpose and should be installed as indicated in figure 4.

Width of pipe supports must be sufficient to allow free axial movement of the pipe without binding.

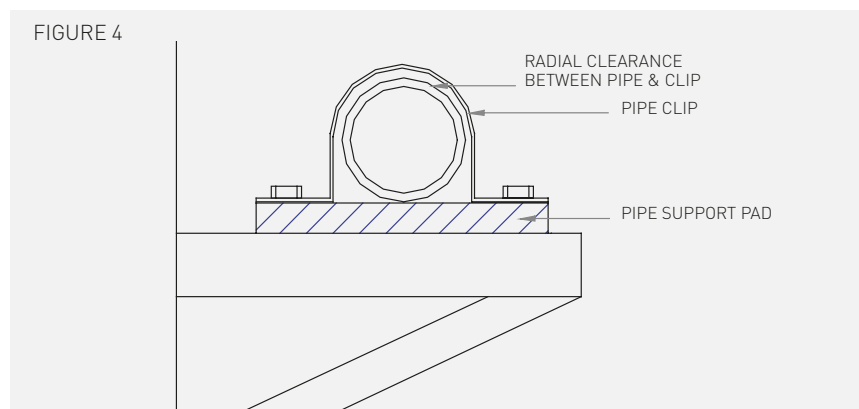
The following table gives recommended pipe support widths.

PIPE DIAMETER	MINIMUM SUPPORT WIDTH
Up to DN300	25 mm
DN350 - DN375	60 mm
DN400 - DN450	100 mm
DN500 - DN750	300 mm

SIZE (DN)	16°C	27°C	38°C	50°C	60°C
15 (½")	1500	1350	1400	900	1650
20 (¾")	1650	1550	1400	900	750
25 (1")	1850	1650	1550	1050	900
32 (1¼")	1850	1850	1700	750	900
40 (1½")	2000	1850	1700	1050	1050
50 (2")	2150	2000	1850	1200	1050
65 (2½")	2300	2300	2000	1400	1200
80 (3")	2500	2300	2150	1400	1200
100 (4")	2750	2600	2300	1550	1350
125 (5")	-	2750	-	-	-
150 (6")	3050	2900	2750	1850	1550
200 (8")	-	2650	-	-	-
250 (10")	-	2550	-	-	-
300 (12")	-	2400	-	-	-

Spacing in mm

FIGURE 4





SCHEDULE 80 PIPE SYSTEMS

SCH 80 PVC - U PIPE



FEATURES

Conforms to ASTM D-1785, Type 1, Grade 1.

All PVC piping is produced from NSF approved compounds conforming to ASTM D-1784.

Standard length 5.8m.

Handles temperatures up to 60°C.

Not affected by soil in buried applications.

Contains UV stabilisers TiO₂ and Carbon Black.

Economical to install and maintain.

IPS-sized (inches) 1/2-24".

Can be threaded (recommend schedule 80 or greater).

Normally grey in colour.

PIPE 5.8 METER

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1537680	15	5800	21.3	21.3	1.79
1537681	20	5800	26.7	26.7	2.49
1537682	25	5800	33.4	33.4	3.71
1537683	32	5800	42.2	42.2	5.10
1537684	40	5800	48.3	48.3	6.25
1537685	50	5800	60.3	60.3	8.40
1537686	65	5800	73.0	73.0	12.86
1537687	80	5800	88.9	88.9	17.08
1537688	100	5800	114.3	114.3	24.43
1537689	150	5800	168.0	168.0	47.53

PIPE 6 METER

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532117	200	6096.0	219.1	219.1	3.65
1533187	250	6096.0	273.1	273.1	5.42
1533188	300	6096.0	323.9	323.9	7.46

CHLORFIT PE PIPE 6 METER

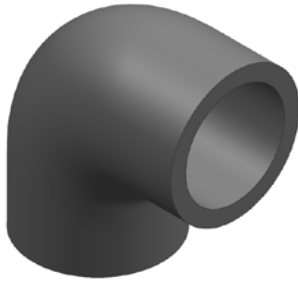
CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538784	15	6096.0	21.3	21.3	0.10
1538785	20	6096.0	26.7	26.7	0.14
1538786	25	6096.0	33.4	33.4	0.20
1538787	32	6096.0	42.2	42.2	0.28
1538788	40	6096.0	48.3	48.3	0.34
1538789	50	6096.0	60.3	60.3	0.47
1538790	65	6096.0	73.0	73.0	0.72
1538791	80	6096.0	88.9	88.9	0.96
1538792	100	6096.0	114.3	114.3	1.41
1538793	125	6096.0	141.3	141.3	1.97
1538794	150	6096.0	168.0	168.0	2.69
1538795	200	6096.0	219.1	219.1	4.11
1538796	250	6096.0	273.1	273.1	6.09

SCHEDULE 80 FITTINGS

GEORG FISCHER

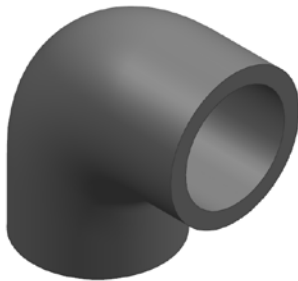
SCHEDULE 80 UPVC FITTINGS

ELBOWS



PLAIN FEMALE 90 DEGREE ELBOW

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538343	10 X 10	43.5	24.3	43.5	0.02
1532009	15	49	49	13	0.04
1532010	20	54	54	19	0.05
1532011	25	69	69	25	0.08
1532012	32	80	80	32	0.13
1532013	40	87	87	38	0.18
1532014	50	97	97	51	0.25
1532015	65	122	122	64	0.46
1532016	80	146	146	76	0.70
1532017	100	180	180	102	1.29
1532120	150	269.5	192.5	269.5	3.96
1532121	200	352.6	247.7	352.6	6.39

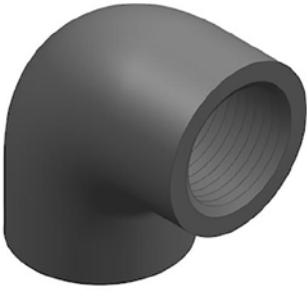


90 DEGREE ELBOW PLAIN FEMALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538344	15 X 15	50.3	31.2	48.0	0.04
1538345	20 X 20	57.9	36.9	52.0	0.06
1533262	25 X 25	67.5	46.2	64.9	0.10
1533263	32 X 32	81.1	55.8	75.2	0.15
1533264	40 X 40	90.3	62.7	81.7	0.20
1533265	50 X 50	106.7	77.1	96.3	0.27
1533266	80 X 80	147.9	109.9	141.1	0.85

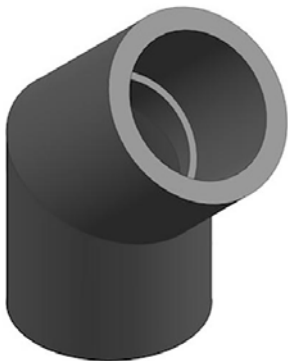
SCHEDULE 80 UPVC FITTINGS

ELBOWS



THREADED 90 DEGREE ELBOW NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533267	6	34.1	22.1	34.1	0.02
1533268	10	37.5	25.7	37.5	0.02
1533269	15	47.1	31.4	47.1	0.04
1533270	20	52.2	37.0	52.2	0.05
1533271	25	64.8	46.2	64.8	0.10
1533272	32	74.8	55.9	74.8	0.15
1533273	40	82.4	62.9	82.4	0.20
1533274	50	96.2	75.7	96.2	0.28
1533275	65	129.0	89.3	129.0	0.58
1533276	80	142.7	108.6	142.7	0.87
1533277	100	172.4	136.5	172.4	1.38



PLAIN FEMALE 45 DEGREE ELBOW

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533279	10	39.7	26.7	50.3	0.02
1532018	15	62	43	13	0.03
1532019	20	67	53	19	0.04
1532020	25	75	63	25	0.07
1532021	32	77.3	53.2	95.9	0.11
1532022	40	96	86	38	0.13
1532023	50	110	106	51	0.22
1532024	65	122.1	89.2	142.6	0.38
1532025	80	138.7	106.3	153.4	0.59
1532026	100	172.8	132.8	190.3	0.99
1532122	150	251.9	192.9	278.9	3.00
1532123	200	321.5	247.1	354.2	5.26

SCHEDULE 80 UPVC FITTINGS

ELBOWS



THREADED 45 DEGREE ELBOW NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533280	6	32.0	22.9	38.2	0.02
1533281	10	38.1	26.7	46.5	0.02
1533282	15	43.8	31.2	54.8	0.04
1533283	20	52.1	37.0	62.4	0.05
1533284	25	61.0	45.6	73.2	0.08
1533285	32	70.6	55.0	80.1	0.12
1533286	40	77.5	62.2	85.0	0.16
1533287	50	93.8	74.9	101.2	0.24
1533288	80	133.8	107.2	142.7	0.65
1533289	100	163.3	132.9	167.4	1.14

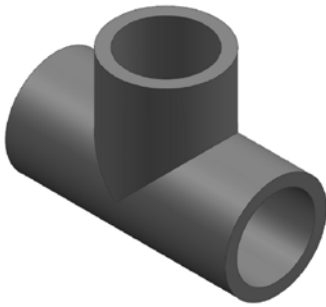


LONG RADIUS PLAIN FEMALE 90 DEGREE BEND

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538823	15	70.0	70.0	27.0	0.03
1538824	20	86.0	86.0	33.0	0.05
1538825	25	150.0	63.2	39.0	0.07
1538826	32	85.0	55.0	190.0	0.21
1538827	40	150.0	64.0	170.0	0.31
1538828	50	285.0	125.0	80.0	0.56
1538829	80	400.0	173.0	115.0	1.76
1538830	100	500.0	135.0	135.0	2.67
1538831	150	510.0	510.0	200.0	7.70

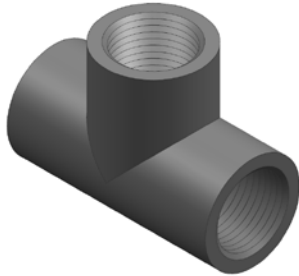
SCHEDULE 80 UPVC SOCKETS

TEES



PLAIN FEMALE TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538329	10	58.5	24.3	43.7	0.03
1532027	15	73	51	13	0.05
1532028	20	82	59	19	0.07
1532029	25	94	69	25	0.11
1532030	32	111	82	32	0.16
1532031	40	124	91	38	0.22
1532032	50	143	108	51	0.33
1532033	65	169.2	89.6	130.2	0.78
1532034	80	189.2	105.7	149.8	1.08
1532035	100	235.1	133.9	189.1	1.86
1532118	150	334.5	192.9	266.7	5.00
1532119	200	441.7	247.3	348.1	9.29



THREADED TEE NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538337	6	46.8	21.6	34.6	0.02
1538338	10	50.8	25.4	38.5	0.03
1533249	15	64.8	30.9	47.6	0.05
1538339	20	70.2	36.8	53.0	0.14
1538340	25	86.3	46.2	68.6	0.14
1538341	32	97.5	55.9	76.9	0.21
1533253	40	104.9	62.6	84.0	0.28
1533254	50	119.1	75.8	98.7	0.40
1533255	65	146.3	88.0	116.9	0.80
1538342	80	178.0	110.2	144.5	1.15
1533257	100	207.6	136.7	171.7	1.76

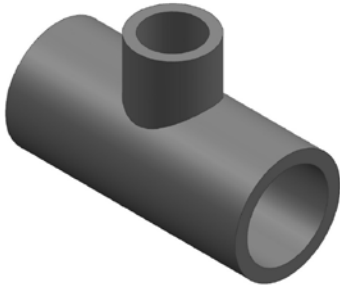


THREADED TEE BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538871	15	55.0	40.0	30.0	0.03
1538872	20	66.0	51.0	33.0	0.04
1538873	25	78.0	60.0	41.0	0.07
1538874	32	100.0	70.0	50.0	0.15
1538875	40	118.0	89.0	61.0	0.27
1538876	50	146.0	110.0	79.0	0.49

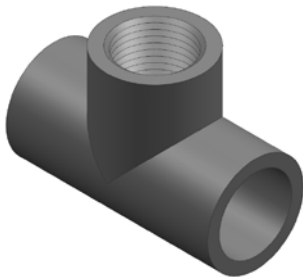
SCHEDULE 80 UPVC FITTINGS

TEES



PLAIN FEMALE REDUCING TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532092	20 X 15	82.3	36.6	59.4	0.11
1532093	25 X 15	95.1	43.5	66.2	0.14
1532094	25 X 20	94.8	43.6	69.4	0.15
1533233	40 X 15	3.8	2.7	1.5	0.14
1532095	40 X 20	102	70	38	0.15
1532096	40 X 25	108	75	38	0.16
1533234	50 X 15	4.1	3.2	2.0	0.20
1533235	50 X 20	4.3	3.3	2.0	0.21
1532097	50 X 25	114	87	51	0.23
1532098	50 X 40	130	94	51	0.28
1533236	65 X 50	154.9	88.6	127.0	0.54
1533237	80 X 50	162.4	105.7	144.4	0.72
1538330	100 X 25	152.4	133.1	156.0	0.83
1533238	100 X 50	179.0	132.6	170.6	2.28
1533239	100 X 80	210.3	133.5	182.0	1.47
1538739	150 X 25	226.0	195.6	237.8	5.03
1538331	150 X 50	226.0	195.6	229.8	5.32
1538743	150 X 80	333.1	192.4	279.4	5.29
1533240	150 X 100	333.1	192.4	251.4	4.40
1538332	200 X 100	426.0	250.0	342.0	10.66
1533241	200 X 150	386.7	247.4	324.0	9.03

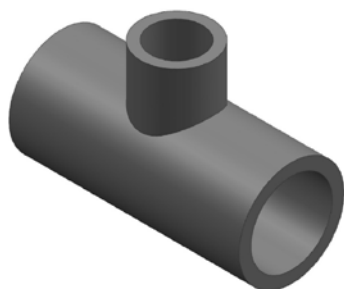


FACUCET TEE PLAIN FEMALE X NPT FEMALE BRANCH

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538333	15 X 15	71.4	29.6	47.8	0.06
1538334	20 X 20	81.2	35.2	52.3	0.08
1538335	25 X 25	93.0	44.3	66.1	0.15
1533245	40 X 40	122.4	59.4	82.5	0.26
1538336	50 X 50	141.9	72.7	96.7	0.41

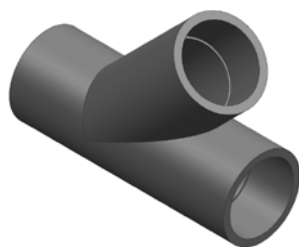
SCHEDULE 80 UPVC FITTINGS

TEES



BUSHED PLAIN FEMALE REDUCING TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538717	32 X 15	101.2	53.0	86.2	0.24
1538718	32 X 20	101.2	53.0	86.1	0.24
1538719	40 X 32	123.9	59.4	99.4	0.34
1538720	50 X 32	142.7	73.4	115.6	0.50
1538721	65 X 15	154.9	88.6	129.3	0.66
1538722	65 X 20	154.9	88.6	129.4	0.67
1538723	65 X 25	154.9	88.6	129.7	0.64
1538724	65 X 32	154.9	88.6	129.2	0.66
1538725	65 X 40	154.9	88.6	129.3	0.64
1538726	80 X 15	162.4	105.7	146.3	0.84
1538727	80 X 20	162.4	105.7	146.4	0.82
1538728	80 X 25	162.4	105.7	146.6	0.82
1538729	80 X 32	162.4	105.7	146.1	0.81
1538730	80 X 40	162.4	105.7	146.3	0.85
1538731	80 X 65	189.2	105.7	156.1	1.29
1538732	100 X 15	179.0	132.6	172.6	2.39
1538733	100 X 20	179.0	132.6	172.8	2.35
1538734	100 X 32	179.0	132.6	172.5	2.39
1538735	100 X 40	179.0	132.6	172.6	2.35
1538736	100 X 65	210.3	133.5	184.2	1.71
1538737	150 X 15	226.0	195.6	237.4	5.32
1538738	150 X 20	226.0	195.6	237.6	5.32
1538740	150 X 32	226.0	195.6	237.3	5.04
1538741	150 X 40	226.0	195.6	237.4	5.02
1538742	150 X 65	333.1	192.4	287.1	5.03
1538744	200 X 50	426.0	250.0	342.4	11.20
1538745	200 X 80	426.0	250.0	324.4	11.06
1538746	200 X 100	0.0	0.0	0.0	0.00
1538747	200 X 125	426.0	250.0	402.0	9.90



PLAIN FEMALE WYE 45 DEGREE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538476	40 X 40	172.8	60.0	130.6	0.31
1538477	50 X 50	202.9	72.7	153.1	0.54
1538478	80 X 80	265.4	105.8	212.9	1.48
1538479	100 X 100	328.6	133.1	268.2	2.08
1538480	150 X 150	419.0	192.9	370.1	5.66
1538481	200 X 200	542.2	246.3	481.6	11.79
1538482	150 X 100	418.8	193.4	312.2	5.20
1538483	200 X 100	405.8	246.0	380.6	6.80

SCHEDULE 80 UPVC FITTINGS

TEES



BUSHED PLAIN FEMALE WYE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538765	50 X 40	202.9	72.7	156.1	0.62
1538766	80 X 40	265.4	105.8	218.5	1.79
1538767	80 X 50	265.4	105.8	217.8	1.81
1538768	100 X 50	328.6	133.1	270.1	2.61
1538769	100 X 80	328.6	133.1	270.1	2.47
1538770	150 X 50	418.8	193.4	315.4	5.59
1538771	150 X 80	418.8	193.4	315.4	5.59
1538772	200 X 80	405.8	245.9	385.9	7.19
1538773	200 X 150	542.2	246.3	487.6	13.60



PLAIN FEMALE CROSS

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538877	20	66.5	66.5	36.6	0.05
1538878	25	80.0	80.0	45.0	0.08
1538879	32	100.0	100.0	50.0	0.13
1538880	40	120.0	119.0	64.0	0.30
1538881	50	145.0	143.0	79.0	0.56

SCHEDULE 80 UPVC FITTINGS

SOCKETS



PLAIN FEMALE SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538346	10	41.8	26.9	26.9	0.02
1532036	15	49	13	13	0.03
1532037	20	55	19	19	0.03
1532038	25	61	25	25	0.05
1532039	32	67	32	32	0.08
1532040	40	74	38	38	0.10
1532041	50	80	51	51	0.14
1532042	65	95	64	64	0.26
1532043	80	103	76	76	0.39
1532044	100	122	102	102	0.67
1532124	150	162.5	191.9	191.9	1.42
1532125	200	213.3	248.1	248.1	3.31

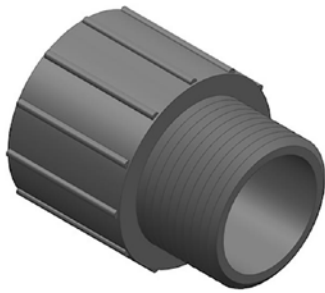


FAUCET SOCKET PLAIN FEMALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533375	6 X 6	36.2	24.3	24.3	0.02
1533376	10 X 10	39.7	28.1	28.1	0.02
1533377	15 X 15	45.6	35.3	35.3	0.04
1533378	20 X 20	49.9	39.6	39.6	0.05
1533379	25 X 25	57.5	48.8	48.8	0.08
1533380	32 X 32	62.1	59.1	59.1	0.11
1533381	40 X 40	65.8	66.0	66.0	0.14
1533382	50 X 50	70.2	79.7	79.7	0.20
1533383	65 X 65	89.5	95.4	95.4	0.38
1533384	80 X 80	96.5	110.0	110.0	0.47
1533385	100 X 100	108.9	134.4	134.4	0.72
1538358	150 X 150	161.9	192.1	192.1	1.40
1538359	200 X 200	212.4	234.9	234.9	2.49

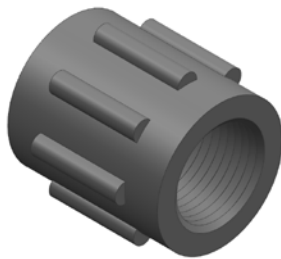
SCHEDULE 80 UPVC FITTINGS

SOCKETS



VALVE SOCKET PLAIN FEMALE X NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533386	15 X 15	46.9	29.6	29.6	0.02
1533387	20 X 20	51.5	35.4	35.4	0.03
1533388	25 X 25	60.4	43.8	43.8	0.04
1533389	32 X 32	64.9	53.0	53.0	0.06
1533390	40 X 40	68.3	59.4	59.4	0.08
1533391	50 X 50	71.9	72.1	72.1	0.12
1533392	65 X 65	93.9	88.4	88.4	0.21
1533393	80 X 80	98.9	106.0	106.0	0.31
1533394	100 X 100	111.6	132.7	132.7	0.51



THREADED SOCKET NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533295	6	32.9	22.8	22.8	0.01
1533296	10	34.2	27.1	27.1	0.02
1533297	15	42.7	35.6	35.6	0.03
1533298	20	44.5	39.9	39.9	0.04
1533299	25	54.0	49.6	49.6	0.08
1533300	32	55.5	59.5	59.5	0.11
1533301	40	56.4	65.9	65.9	0.11
1533302	50	58.2	79.9	79.9	0.18
1533303	65	84.6	94.6	94.6	0.38
1533304	80	89.7	110.3	110.3	0.49
1533305	100	95.5	137.2	137.2	0.73



FAUCET SOCKET PLAIN FEMALE X BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538972	10 X 10	30.0	30.0	40.0	0.02
1532074	15 X 15	33.0	36.0	37.0	0.02
1532075	20 X 20	40.0	42.0	42.0	0.03
1532076	25 X 25	45.0	44.0	45.0	0.06
1532077	32 X 32	55.0	52.0	51.0	0.08
1532078	40 X 40	59.0	66.0	66.0	0.13
1532079	50 X 50	69.0	79.0	79.0	0.22

SCHEDULE 80 UPVC FITTINGS

SOCKETS



VALVE SOCKET PLAIN FEMALE X BSP MALE TAPERED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533230	10 X 10	40.0	30.0	30.0	0.01
1532086	15 X 15	32.0	32.0	41.0	0.02
1538989	15 X 20	4.0	4.0	4.0	0.05
1532087	20 X 20	45.0	40.0	40.0	0.02
1538990	20 X 25	5.0	5.0	5.0	0.03
1532088	25 X 25	53.0	46.0	46.0	0.04
1538991	25 X 32	6.0	6.0	6.0	0.05
1533232	32 X 25	101.2	53.0	81.9	0.20
1532089	32 X 32	58.8	57.5	57.5	0.06
1538992	32 X 40	6.0	6.0	6.0	0.06
1533233	40 X 15	3.8	2.7	1.5	0.14
1532090	40 X 40	62.0	63.0	66.0	0.10
1538993	40 X 50	90.0	90.0	90.0	0.07
1533234	50 X 15	4.1	3.2	2.0	0.20
1533235	50 X 20	4.3	3.3	2.0	0.21
1532091	50 X 50	89.0	78.0	78.0	0.18
1533236	65 X 50	154.9	88.6	127.0	0.54
1533237	80 X 50	162.4	105.7	144.4	0.72
1533238	100 X 50	179.0	132.6	170.6	2.28
1533239	100 X 80	210.3	133.5	182.0	1.47
1533240	150 X 100	333.1	192.4	251.4	4.40
1533241	200 X 150	386.7	247.4	324.0	9.03



THREADED SOCKET BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538957	6	26.0	22.0	22.0	0.01
1538958	10	30.0	30.0	30.0	0.02
1538959	15	35.0	35.0	35.0	0.02
1538960	20	40.0	42.0	42.0	0.03
1538961	25	46.0	50.0	50.0	0.05
1538962	32	60.0	60.0	50.0	0.08
1538963	40	70.0	70.0	50.0	0.11
1538964	50	79.0	79.0	56.0	0.18

SCHEDULE 80 UPVC FITTINGS

SOCKETS



PLAIN FEMALE REDUCING SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533292	20 X 15	54.1	38.7	38.7	0.04
1532133	25 X 15	55.1	47.3	47.3	0.06
1532134	25 X 20	57.4	47.2	47.2	0.06
1532135	32 X 25	64.0	56.8	56.8	0.10
1533293	40 X 20	63.6	63.9	63.9	0.39
1532136	40 X 25	67.4	63.6	63.6	0.12
1532137	40 X 32	71.5	63.6	63.6	0.12
1538347	50 X 20	79.7	77.7	77.7	0.26
1532138	50 X 25	80.1	77.4	77.4	0.30
1532139	50 X 32	77.5	73.3	73.3	0.19
1532140	50 X 40	77.8	77.2	77.2	0.21
1538348	65 X 40	85.4	89.1	89.1	0.21
1532141	80 X 50	91.7	111.7	111.7	0.42
1532142	100 X 80	111.3	140.1	140.1	0.76
1532143	150 X 100	258.4	201.1	201.1	3.05
1532144	200 X 150	233.1	253.9	253.9	3.44



THREADED REDUCING SOCKET NPT

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538349	10 X 6	32.8	26.7	26.7	0.02
1538350	15 X 6	36.7	32.6	32.6	0.03
1538351	15 X 10	37.1	32.6	32.6	0.03
1538352	20 X 15	42.7	38.5	38.5	0.04
1538353	25 X 15	46.7	47.2	47.2	0.06
1538354	25 X 20	47.8	47.1	47.1	0.06
1538355	32 X 20	48.4	56.5	56.5	0.08
1538356	40 X 25	52.3	63.6	63.6	0.11
1538357	50 X 40	55.4	77.0	77.0	0.15



BUSHED PLAIN FEMALE REDUCING SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538748	40 X 15	74.6	63.6	63.6	0.39
1538749	50 X 15	87.4	77.4	77.4	0.25
1538750	50 X 20	0.0	0.0	0.0	0.00
1538751	65 X 50	103.5	88.6	88.6	0.50
1538752	80 X 25	115.9	106.5	106.5	0.71
1538753	80 X 32	123.1	106.5	106.5	0.52
1538754	80 X 40	116.3	106.5	106.5	0.75
1538755	80 X 65	116.3	111.5	990.6	0.65
1538756	100 X 50	125.6	140.1	140.1	1.09
1538757	150 X 50	269.5	201.1	201.1	3.58
1538758	200 X 100	249.1	253.9	253.9	5.08

SCHEDULE 80 UPVC FITTINGS

ADAPTORS



PLAIN FEMALE ADAPTOR SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538995	16 X 10	40.0	20.0	20.0	0.01
1538996	20 X 15	39.0	26.0	26.0	0.01
1538997	25 X 20	50.0	30.0	30.0	0.02
1538998	32 X 25	51.0	40.5	40.5	0.03
1538999	40 X 32	61.0	50.0	50.0	0.05
1539000	50 X 40	65.0	57.0	60.0	0.07
1539001	63 X 50	80.0	75.5	75.5	0.16
1539002	90 X 80	105.0	107.0	111.0	0.34
1539003	110 X 100	13.0	12.5	12.3	0.49



FAUCET ADAPTOR PLAIN MALE X BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532080	15 X 15	36.3	28.4	28.4	0.01
1532081	20 X 20	41.0	33.0	33.0	0.02
1532082	25 X 25	49.0	41.0	41.0	0.04
1532083	32 X 32	56.0	51.0	51.0	0.07
1532084	40 X 40	65.0	60.0	63.0	0.09
1532085	50 X 50	87.0	78.0	81.0	0.16



VALVE ADAPTOR PLAIN MALE SPITGOT X BSP MALE TAPERED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538986	15 X 15	43.0	31.0	36.0	0.02
1538987	20 X 20	50.0	40.0	40.0	0.02
1538988	25 X 25	60.0	50.0	50.0	0.04

SCHEDULE 80 UPVC FITTINGS

ADAPTORS



**ADAPTOR BARREL UNION (PLAIN FEMALE X PLAIN FEMALE)
EPDM SEAL BS IMPERIAL X METRIC**

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538905	10 X 16	4.0	4.0	4.0	0.03
1538906	15 X 20	40.0	50.0	40.0	0.04
1538907	20 X 25	50.0	50.0	50.0	0.07
1538908	25 X 32	60.0	60.0	60.0	0.09
1538909	32 X 40	70.0	70.0	70.0	0.16
1538910	40 X 50	80.0	80.0	80.0	0.20
1538911	50 X 63	102.0	100.0	93.0	0.34



**ADAPTOR BARREL UNION (PLAIN FEMALE X PLAIN FEMALE)
EPDM SEAL ASTM US IMPERIAL X METRIC**

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538912	10 X 16	4.0	4.0	4.0	0.02
1538913	15 X 20	43.5	52.5	43.5	0.04
1538914	20 X 25	50.0	50.0	50.0	0.07
1538915	25 X 32	60.0	60.0	60.0	0.10
1538916	32 X 40	70.0	70.0	70.0	0.17
1538917	40 X 50	80.0	80.0	80.0	0.24
1538918	50 X 63	102.0	101.0	100.0	0.36

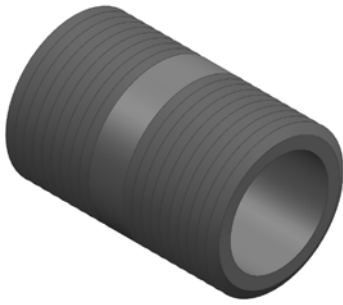


PLAIN FEMALE STUB FLANGE ADAPTOR

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532550	15	21.0	33.0	46.0	0.01
1532551	20	23.0	40.0	41.0	0.01
1532552	25	50.0	49.0	26.0	0.02
1532553	40	31.0	56.0	60.0	0.04
1532554	50	35.0	72.0	72.0	0.06
1532555	65	88.0	40.0	88.0	0.11
1532556	80	56.0	125.0	123.0	0.27
1532557	100	69.0	155.0	155.0	0.42
1532558	150	216.0	216.0	94.0	1.17
1532559	200	271.0	270.0	125.0	2.03
1533629	250	328.0	153.0	328.0	3.68
1533630	300	376.0	173.0	380.0	3.42

SCHEDULE 80 UPVC FITTINGS

ADAPTORS

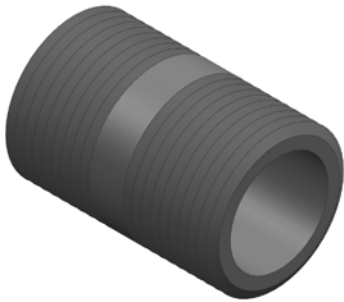


PIPE PIECE NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538399	15 X 32	28.7	21.3	21.3	0.015
1538400	15 X 50	50.8	21.3	21.3	0.02
1538401	15 X 80	76.2	21.3	21.3	0.03
1538402	15 X 100	101.6	21.3	21.3	0.03
1538403	15 X 125	127.0	21.3	21.3	0.04
1538404	15 X 150	152.4	21.3	21.3	0.05
1538405	15 X 200	203.2	21.3	21.3	0.06
1538406	15 X 250	254.0	21.3	21.3	0.08
1538407	15 X 300	304.8	21.3	21.3	0.10
1538408	20 X 32	35.1	26.7	26.7	0.02
1538409	20 X 40	38.1	26.7	26.7	0.02
1538398	20 X 50	50.8	26.7	26.7	0.03
1538410	20 X 80	76.2	26.7	26.7	0.03
1538411	20 X 100	101.6	26.7	26.7	0.04
1538412	20 X 125	127.0	26.7	26.7	0.05
1538413	20 X 150	152.4	26.7	26.7	0.06
1538414	20 X 200	203.2	26.7	26.7	0.09
1538415	20 X 250	254.0	26.7	26.7	0.11
1538416	20 X 300	304.8	26.7	26.7	0.13
1538417	25 X 40	38.1	33.4	33.4	0.02
1538418	25 X 50	50.8	33.4	33.4	0.03
1538419	25 X 80	76.2	33.4	33.4	0.05
1538420	25 X 100	101.6	33.4	33.4	0.06
1538421	25 X 125	127.0	33.4	33.4	0.08
1538422	25 X 150	152.4	33.4	33.4	0.10
1538423	25 X 200	203.2	33.4	33.4	0.13
1538424	25 X 250	254.0	33.4	33.4	0.16
1538425	25 X 300	304.8	33.4	33.4	0.20
1538426	32 X 45	41.4	42.2	42.2	0.03
1538427	32 X 50	50.8	42.2	42.2	0.05
1538428	32 X 80	76.2	42.2	42.2	0.07
1538429	32 X 100	101.6	42.2	42.2	0.09
1538430	32 X 125	127.0	42.2	42.2	0.11
1538431	32 X 150	152.4	42.2	42.2	0.13
1538432	32 X 200	203.2	42.2	42.2	0.18
1538433	32 X 250	254.0	42.2	42.2	0.22
1538434	32 X 300	304.8	42.2	42.2	0.27
1538435	40 X 45	44.5	48.3	48.3	0.04
1538436	40 X 50	50.8	48.3	48.3	0.05
1538437	40 X 80	76.2	48.3	48.3	0.08
1538438	40 X 100	101.6	48.3	48.3	0.11
1538439	40 X 125	127.0	48.3	48.3	0.14
1538440	40 X 150	152.4	48.3	48.3	0.16
1538441	40 X 200	203.2	48.3	48.3	0.22
1538442	40 X 250	254.0	48.3	48.3	0.27

SCHEDULE 80 UPVC FITTINGS

ADAPTORS



PIPE PIECE NPT MALE CONTINUED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538443	40 X 300	304.8	48.3	48.3	0.33
1538444	50 X 50	50.8	60.3	60.3	0.05
1538445	50 X 65	63.5	60.3	60.3	0.08
1538446	50 X 80	76.2	60.3	60.3	0.11
1538447	50 X 100	101.6	60.3	60.3	0.15
1538448	50 X 125	127.0	60.3	60.3	0.19
1538449	50 X 150	152.4	60.3	60.3	0.22
1538450	50 X 200	203.2	60.3	60.3	0.29
1538451	50 X 250	254.0	60.3	60.3	0.37
1538452	50 X 300	304.8	60.3	60.3	0.44
1538453	65 X 65	63.5	73.0	73.0	0.14
1538454	65 X 80	76.2	73.0	73.0	0.17
1538455	65 X 100	101.6	73.0	73.0	0.23
1538456	65 X 125	127.0	73.0	73.0	0.28
1538457	65 X 150	152.4	73.0	73.0	0.34
1538458	65 X 200	203.2	73.0	73.0	0.45
1538459	65 X 250	254.0	73.0	73.0	0.57
1538460	65 X 300	304.8	73.0	73.0	0.68
1538461	80 X 70	66.8	88.9	88.9	0.20
1538462	80 X 80	76.2	88.9	88.9	0.23
1538463	80 X 100	101.6	88.9	88.9	0.30
1538464	80 X 125	127.0	88.9	88.9	0.38
1538465	80 X 150	152.4	88.9	88.9	0.45
1538466	80 X 200	203.2	88.9	88.9	0.60
1538467	80 X 250	254.0	88.9	88.9	0.75
1538468	80 X 300	304.8	88.9	88.9	0.90
1538469	100 X 50	73.2	114.3	114.3	0.31
1538470	100 X 100	101.6	114.3	114.3	0.43
1538471	100 X 125	127.0	114.3	114.3	0.54
1538472	100 X 150	152.4	114.3	114.3	0.64
1538473	100 X 200	203.2	114.3	114.3	0.86
1538474	100 X 250	254.0	114.3	114.3	1.08
1538475	100 X 300	304.8	114.3	114.3	1.29



THREADED HOSE BARB BSP MALE TAPERED X HOSE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533224	6 X 12	59.0	13.0	16.0	0.00
1533225	10 X 16	67.0	18.0	21.0	0.01
1539019	15 X 14	70.0	30.0	30.0	0.01
1533226	15 X 20	85.0	23.0	21.0	0.02
1539020	20 X 20	80.0	26.0	31.0	0.02
1533227	20 X 25	92.0	31.0	26.0	0.03
1539021	25 X 27	90.0	50.0	50.0	0.04
1533228	25 X 30	101.0	35.0	40.0	0.05
1533229	32 X 40	115.0	52.0	52.0	0.08

SCHEDULE 80 UPVC FITTINGS

UNIONS



BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538890	10	40.0	40.0	30.0	0.03
1532062	15	43.7	43.7	47.7	0.04
1532063	20	50.0	50.0	54.0	0.05
1532064	25	61.0	57.8	57.8	0.08
1532065	32	7.0	7.0	7.0	0.11
1532066	40	80.0	80.0	80.0	0.22
1532067	50	93.0	100.0	100.0	0.35



BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) EPDM SEAL ASTM US IMPERIAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533531	15	60.0	50.0	50.0	0.07
1538315	20	80.0	70.0	70.0	0.11
1538316	25	100.0	90.0	90.0	0.16
1533532	32	110.0	100.0	100.0	0.22
1533533	40	120.0	110.0	110.0	0.30
1533534	50	140.0	120.0	120.0	0.56



BARREL UNION (PLAIN FEMALE X BSP FEMALE PARALLEL) EPDM SEALS

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538898	10	4.0	4.0	4.0	0.03
1538899	15	5.0	4.0	4.0	0.04
1538900	20	5.0	5.0	5.0	0.07
1538901	25	3.0	5.0	5.0	0.09
1538902	32	7.0	7.0	7.0	0.17
1538903	40	8.0	8.0	8.0	0.22
1538904	50	10.0	10.0	10.0	0.41

SCHEDULE 80 UPVC FITTINGS

UNIONS



THREADED UNION (BSP FEMALE PARALLEL) EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538882	6	40.0	30.0	30.0	0.02
1538883	10	40.0	30.0	30.0	0.03
1538884	15	50.0	40.0	40.0	0.04
1538885	20	50.0	50.0	50.0	0.07
1538886	25	60.0	60.0	60.0	0.09
1538887	32	70.0	70.0	70.0	0.16
1538888	40	80.0	80.0	80.0	0.22
1538889	50	102.0	98.0	101.0	0.42



BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) FKM SEAL

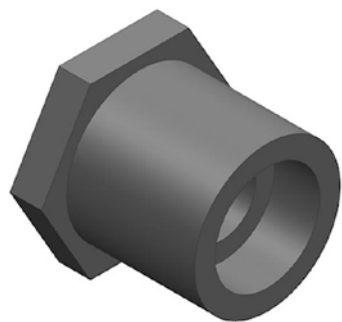
CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538891	10	4.0	3.0	3.0	0.03
1538892	15	40.0	40.0	40.0	0.04
1538893	20	5.0	4.0	4.0	0.06
1538894	25	5.0	5.0	5.0	0.09
1538895	32	70.0	72.0	72.0	0.13
1538896	40	80.0	80.0	70.0	0.20
1538897	50	8.0	8.0	8.0	0.37

BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) FKM SEAL
ASTM US IMPERIAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538317	15	60.0	50.0	50.0	0.07
1538318	20	80.0	70.0	70.0	0.11
1538319	25	100.0	90.0	90.0	0.16
1538320	32	110.0	100.0	100.0	0.22
1538321	40	120.0	110.0	110.0	0.30
1538322	50	140.0	120.0	120.0	0.56

SCHEDULE 80 UPVC FITTINGS

BUSHES



PLAIN REDUCING BUSH

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532054	10 X 15	33	35	35	0.01
1533314	15 X 6	29.1	24.9	24.9	0.01
1533315	15 X 10	27.7	25.5	25.5	0.01
1532105	25 X 15	36	43	43	0.03
1532055	25 X 20	36	43	43	0.02
1532107	32 X 20	40	53	53	0.05
1532056	32 X 25	40	53	53	0.03
1532108	40 X 20	43	59	59	0.07
1532109	40 X 25	43	59	59	0.06
1532057	40 X 32	43	59	59	0.03
1532110	50 X 15	45	72	72	0.09
1532111	50 X 20	46	72	72	0.09
1532112	50 X 25	46	72	72	0.10
1532058	50 X 40	46	72	72	0.07
1532059	65 X 50	53.3	78.0	78.0	0.11
1532060	80 X 65	57.6	93.8	93.8	0.21
1532061	100 X 80	69.6	123.7	123.7	0.39
1532126	32 X 15	39.3	44.6	44.6	0.05
1532127	40 X 15	43	59	59	0.06
1532128	65 X 40	58.6	79.4	79.4	0.16
1533316	80 X 25	61.3	94.0	94.0	0.43
1538759	80 X 32	68.7	94.0	94.0	0.37
1532114	80 X 40	61.8	95.5	95.5	0.31
1532115	80 X 50	61.5	94.0	94.0	0.33
1532129	100 X 50	68.6	120.7	120.7	0.53
1538760	100 X 65	77.3	123.7	123.7	0.60
1532130	150 X 80	92.8	176.2	176.2	1.45
1532131	150 X 100	93.1	177.0	177.0	1.64
1538761	200 X 100	136.1	230.4	230.4	3.57
1532132	200 X 150	118.5	230.4	230.4	1.92

SCHEDULE 80 UPVC FITTINGS

BUSHES



REDUCING BUSH SHORT PATTERN

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538919	15 X 10	17.0	21.0	21.0	0.00
1538921	20 X 10	20.6	27.6	27.6	0.01
1538920	20 X 15	27.0	26.0	18.0	0.01
1538924	25 X 10	23.8	34.7	34.7	0.01
1538923	25 X 15	25.0	35.0	35.0	0.02
1538922	25 X 20	23.0	33.0	32.0	0.01
1538928	32 X 10	28.5	43.8	43.7	0.02
1538927	32 X 15	28.0	44.0	42.0	0.02
1538926	32 X 20	27.0	34.0	41.0	0.03
1538925	32 X 25	28.5	43.8	43.7	0.02
1538932	40 X 15	47.0	47.0	30.0	0.03
1538931	40 X 20	48.0	32.0	47.0	0.03
1538930	40 X 25	48.0	32.0	42.0	0.04
1538929	40 X 32	49.0	49.0	31.0	0.02
1538936	50 X 20	39.0	61.0	61.0	0.06
1538935	50 X 25	61.0	38.0	61.0	0.06
1538934	50 X 32	60.0	38.0	57.0	0.07
1538933	50 X 40	63.0	39.0	56.0	0.05
1538937	65 X 50	44.0	72.0	77.0	0.09
1538941	80 X 25	90.0	89.0	51.0	0.18
1538940	80 X 40	90.0	90.0	52.0	0.18
1538939	80 X 50	51.0	90.0	90.0	0.18
1538938	80 X 65	89.0	89.0	51.0	0.12
1538942	100 X 80	64.0	115.0	110.0	0.34
1538943	125 X 100	77.0	140.0	140.0	0.53
1538944	150 X 125	168.0	168.0	92.0	0.83
1538945	200 X 150	219.0	117.0	216.0	1.77

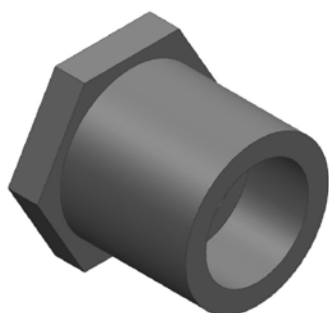


REDUCING BUSH LONG PATTERN

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538984	125 X 80	140.0	140.0	170.0	0.73
1538985	150 X 100	168.0	168.0	197.0	1.31

SCHEDULE 80 UPVC FITTINGS

BUSHES



REDUCING BUSH PLAIN MALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538762	10 X 6	40.3	26.1	26.1	0.01
1532500	15 X 6	28.9	24.8	24.8	0.01
1532501	20 X 15	32.6	29.4	29.4	0.01
1532502	25 X 15	36.1	38.2	38.2	0.03
1532503	25 X 20	35.8	38.3	38.3	0.02
1532504	32 X 15	39.6	47.1	47.1	0.05
1532505	32 X 20	39.5	47.1	47.1	0.05
1532506	32 X 25	39.7	47.1	47.1	0.04
1532507	40 X 15	42.6	53.4	53.4	0.07
1532508	40 X 20	43.0	53.1	53.1	0.07
1532509	40 X 25	42.7	53.1	53.1	0.06
1532510	40 X 32	43.0	53.2	53.2	0.04
1532511	50 X 15	45.6	65.1	65.1	0.09
1532512	50 X 20	45.8	65.1	65.1	0.10
1532513	50 X 25	45.8	64.9	64.9	0.10
1532514	50 X 32	46.0	65.0	65.0	0.09
1532515	50 X 40	47.7	65.0	65.0	0.08
1532516	65 X 40	56.9	79.4	79.4	0.19
1532517	65 X 50	53.9	78.1	78.1	0.16
1532518	80 X 50	61.5	94.2	94.2	0.35
1532519	80 X 65	57.2	93.9	93.9	0.22
1532520	100 X 50	68.8	120.5	120.5	0.57



REDUCING BUSH PLAIN MALE X BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538946	15 X 10	17.0	21.0	21.0	0.00
1537621	20 X 15	21.0	26.0	27.0	0.01
1538947	25 X 15	23.0	33.0	37.0	0.02
1537622	25 X 20	30.0	40.0	40.0	0.01

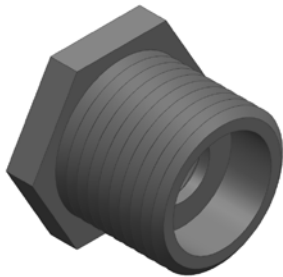


THREADED BUSH BSP MALE TAPERED X BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538965	15 X 10	38.0	32.0	32.0	0.01
1538966	20 X 15	37.0	32.0	39.0	0.02
1538968	25 X 15	49.0	36.0	33.0	0.03
1538967	25 X 20	47.0	45.0	45.0	0.03
1538969	32 X 25	50.0	50.0	50.0	0.05
1538970	40 X 32	52.0	53.0	55.0	0.07
1538971	50 X 40	62.0	65.0	66.0	0.13

SCHEDULE 80 UPVC FITTINGS

BUSHES

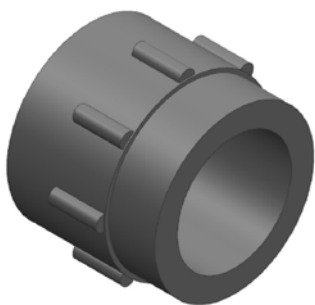


THREADED BUSH NPT

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533320	3/8x1/4 PVC80 Redu Bushing (MTxFT)	20.3	22.3	22.3	0.01
1533321	1/2x1/4 PVC80 Redu Bushing (MTxFT)	24.2	26.4	26.4	0.01
1533322	1/2x3/8 PVC80 Redu Bushing (MTxFT)	24.3	26.5	26.5	0.01
1533323	3/4x1/4 PVC80 Redu Bushing (MTxFT)	25.6	29.9	29.9	0.01
1533324	3/4x3/8 PVC80 Redu Bushing (MTxFT)	25.8	30.0	30.0	0.02
1533325	3/4x1/2 PVC80 Redu Bushing (MTxFT)	27.3	34.6	34.6	0.07
1533326	1x1/4 PVC80 Redu Bushing (MTxFT)	31.2	38.0	38.0	0.06
1533327	1x1/2 PVC80 Redu Bushing (MTxFT)	31.4	38.1	38.1	0.07
1533328	1x3/4 PVC80 Redu Bushing (MTxFT)	32.4	39.7	39.7	0.05
1533329	1-1/4x1/2 PVC80 Redu Bushing (MTxFT)	32.9	46.9	46.9	0.04
1533330	1-1/4x3/4 PVC80 Redu Bushing (MTxFT)	32.7	46.8	46.8	0.04
1533331	1-1/4x1 PVC80 Redu Bushing (MTxFT)	33.1	48.1	48.1	0.06
1533332	1-1/2x3/4 PVC80 Redu Bushing (MTxFT)	33.9	52.9	52.9	0.06
1533333	1-1/2x1 PVC80 Redu Bushing (MTxFT)	34.1	52.9	52.9	0.06
1533334	1-1/2x1-1/4 PVC80 Redu Bushing (MTxFT)	33.7	58.2	58.2	0.04
1533335	2x1/2 PVC80 Redu Bushing (MTxFT)	36.5	64.9	64.9	0.09
1533336	2x3/4 PVC80 Redu Bushing (MTxFT)	36.7	64.9	64.9	0.09
1533337	2x1 PVC80 Redu Bushing (MTxFT)	36.1	64.8	64.8	0.10
1533338	2x1-1/4 PVC80 Redu Bushing (MTxFT)	36.3	64.8	64.8	0.06
1533339	2x1-1/2 PVC80 Redu Bushing (MTxFT)	34.3	65.3	65.3	0.08
1533340	3x2 PVC80 Redu Bushing (MTxFT)	51.2	95.5	95.5	0.22
1533341	4x2 PVC80 Redu Bushing (MTxFT)	52.5	120.4	120.4	0.38
1533342	4x3 PVC80 Redu Bushing (MTxFT)	52.2	120.5	120.5	0.29

SCHEDULE 80 UPVC FITTINGS

CAPS & PLUGS



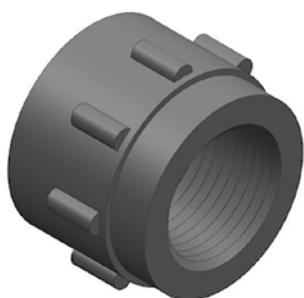
PLAIN FEMALE CAP

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533343	6	24.4	24.3	24.3	0.01
1533344	10	28.1	28.2	28.2	0.01
1532045	15	33.0	35.2	35.2	0.02
1532046	20	37.0	39.3	39.3	0.03
1532047	25	42.1	48.7	48.7	0.06
1532048	32	48.0	59.3	59.3	0.07
1532049	40	52.9	68.9	68.9	0.13
1532050	50	59.0	79.7	79.7	0.13
1532051	65	66.4	95.8	95.8	0.33
1532052	80	77.8	110.6	110.6	0.42
1532053	100	93.7	139.9	139.9	0.65
1532145	150	123.3	192.0	192.0	1.56
1532146	200	158.8	248.2	248.2	3.44



THREADED CAP BSP FEMALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1539004	10	30.0	30.0	20.0	0.01
1539005	15	37.0	37.0	21.0	0.02
1539006	20	40.0	40.0	25.0	0.02
1539007	25	50.5	50.5	26.0	0.04
1539008	32	57.0	59.0	28.0	0.06
1539009	40	65.0	65.0	32.0	0.07
1539010	50	80.0	80.0	38.0	0.13

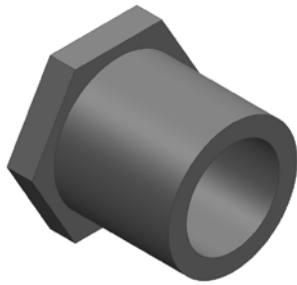


THREADED CAP NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533345	6	23.7	24.8	24.8	0.01
1533346	10	23.8	28.7	28.7	0.01
1533347	15	29.0	35.4	35.4	0.03
1533348	20	31.7	39.9	39.9	0.03
1533349	25	38.3	49.4	49.4	0.06
1533350	32	40.4	59.3	59.3	0.09
1533351	40	43.2	65.9	65.9	0.09
1533352	50	46.3	80.3	80.3	0.17
1533353	65	66.2	94.6	94.6	0.28
1533354	80	71.2	110.9	110.9	0.39
1533355	100	80.1	139.2	139.2	0.66

SCHEDULE 80 UPVC FITTINGS

CAPS & PLUGS



PLAIN MALE SPIGOT PLUG

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538360	15	27.4	24.6	24.6	0.01
1538361	20	31.7	30.4	30.4	0.02
1538362	25	35.7	38.5	38.5	0.03
1538363	40	43.6	53.3	53.3	0.06
1538364	50	48.2	65.1	65.1	0.09
1538365	100	67.3	126.8	126.8	0.48



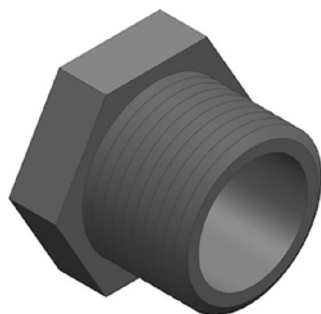
THREADED PLUG BSP MALE PARALLEL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1537623	20	41.0	36.0	31.0	0.02
1537624	25	48.0	48.0	34.0	0.03
1537627	50	80.0	80.0	43.0	0.12



THREADED PLUG BSP MALE TAPERED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1539022	10	20.0	20.0	20.0	0.01
1539023	15	26.0	27.0	31.0	0.01
1539024	20	41.0	41.0	30.0	0.02
1539025	25	48.0	48.0	35.0	0.03
1539026	32	53.5	53.5	36.6	0.05
1539027	40	65.0	65.0	40.0	0.07
1539028	50	80.6	80.6	42.8	0.12



THREADED PLUG NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533356	6	20.7	17.3	17.3	0.00
1533357	10	21.0	20.2	20.2	0.00
1533358	15	25.0	24.7	24.7	0.01
1533359	20	26.9	30.0	30.0	0.01
1533360	25	31.6	38.5	38.5	0.02
1533361	32	33.7	47.1	47.1	0.04
1533362	40	35.2	53.4	53.4	0.05
1533363	50	37.4	65.3	65.3	0.08
1533364	65	49.4	86.9	86.9	0.17
1533365	80	50.3	94.8	94.8	0.21
1533366	100	54.9	120.9	120.9	0.34

SCHEDULE 80 UPVC FITTINGS

NIPPLES



PLAIN MALE SPIGOT ENDED NIPPLE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538948	10	1.0	1.0	3.0	0.00
1538949	15	2.0	2.0	4.0	0.00
1538950	20	2.0	2.0	4.0	0.01
1538951	25	3.0	3.0	5.0	0.02
1538952	32	4.0	4.0	6.0	0.03
1538953	40	4.0	4.0	6.0	0.05
1538954	50	6.0	6.0	8.0	0.10
1538955	80	8.0	8.0	11.0	0.23
1538956	100	11.0	11.0	13.0	0.48



TOE NIPPLE BSP MALE TAPERED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1533223	10	1.6	1.6	4.2	0.01
1532068	15	21.0	21.0	51.0	0.01
1532069	20	54.0	26.0	26.0	0.02
1532070	25	3.3	3.3	6.4	0.03
1532071	32	74.0	41.0	41.0	0.06
1532072	40	8.9	4.6	4.9	0.08
1532073	50	59.0	61.0	87.0	0.11
1532147	80	87.0	89.0	127.0	0.25
1532148	100	11.2	11.5	14.9	0.49

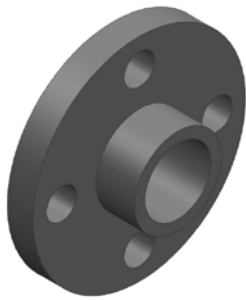


THREADED HEX NIPPLE BSP MALE TAPERED

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538994	10	38.0	22.0	22.0	0.01
1532099	15	45.0	25.0	25.0	0.01
1532100	20	49.4	30.0	30.0	0.02
1532101	25	56.0	40.0	40.0	0.03
1532102	32	62.0	50.0	50.0	0.05
1532103	40	67.0	53.0	53.0	0.07
1532104	50	75.0	68.0	68.0	0.13

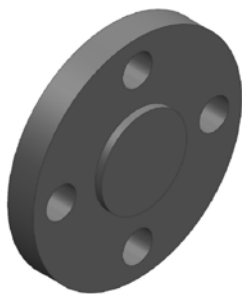
SCHEDULE 80 UPVC FITTINGS

FLANGES



PLAIN FEMALE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538366	15	25.9	89.0	89.0	0.08
1538367	20	29.0	98.8	98.8	0.12
1538368	25	32.9	108.6	108.6	0.18
1538369	32	36.7	117.7	117.7	0.18
1538370	40	39.1	127.2	127.2	0.33
1538371	50	43.9	152.6	152.6	0.54
1538372	65	50.6	177.8	177.8	0.76
1538373	80	62.5	190.7	190.7	0.97
1538374	100	70.7	229.7	229.7	1.34
1538375	150	98.4	282.7	282.7	2.95
1538376	200	124.5	343.8	343.8	5.22

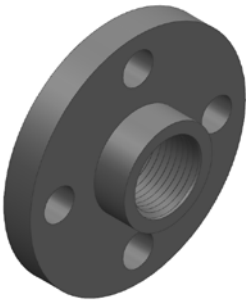


BLIND FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532532	15	12.2	89.1	89.1	0.12
1532533	20	14.0	99.0	99.0	0.16
1532534	25	16.8	108.9	108.9	0.19
1533367	32	18.4	117.2	117.2	0.27
1532535	40	20.5	127.3	127.3	0.35
1532536	50	22.7	152.9	152.9	0.48
1532537	65	24.7	177.8	177.8	0.47
1532538	80	26.2	189.3	189.3	1.19
1532539	100	29.0	227.5	227.5	1.98
1532540	150	38.3	278.2	278.2	3.17
1532541	200	41.0	343.1	343.1	3.86

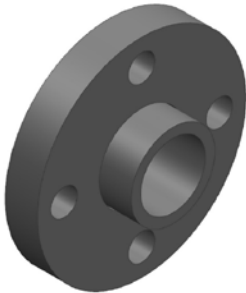
SCHEDULE 80 UPVC FITTINGS

FLANGES



NPT FEMALE THREADED FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538377	15	22.6	89.1	89.1	0.09
1538378	20	23.0	98.7	98.7	0.12
1538379	25	28.7	108.7	108.7	0.19
1538380	32	30.5	117.4	117.4	0.17
1538381	40	30.2	126.8	126.8	0.30
1538382	50	30.9	152.9	152.9	0.52
1538383	65	43.7	177.8	177.8	0.70
1538384	80	54.7	190.5	190.5	0.95
1538385	100	58.4	228.6	228.6	1.30

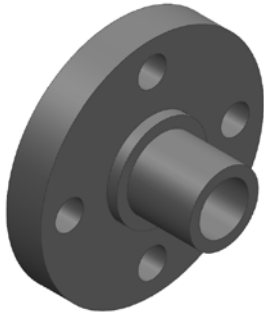


SCHEDULE 80 PVC-U PLAIN FEMALE VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1532521	15	28.0	89.5	89.5	0.09
1532522	20	31.2	98.4	98.4	0.12
1532523	25	35.1	107.8	107.8	0.16
1532524	32	38.6	117.4	117.4	0.19
1532525	40	42.7	127.1	127.1	0.25
1532526	50	46.6	152.9	152.9	0.44
1532527	65	54.6	178.1	178.1	0.80
1532528	80	59.2	190.4	190.4	0.93
1532529	100	69.9	228.5	228.5	1.30
1532530	150	90.0	278.8	278.8	2.10
1532531	200	116.8	343.2	343.2	3.72

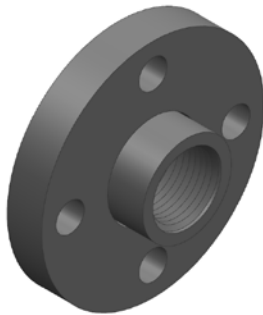
SCHEDULE 80 UPVC FITTINGS

FLANGES



PLAIN MALE SPIGOT VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538387	15	43.7	89.5	89.5	0.10
1538388	20	46.9	98.4	98.4	0.13
1538389	25	53.4	107.8	107.8	0.17
1538390	32	58.0	117.4	117.4	0.21
1538391	40	63.0	127.1	127.1	0.27
1538392	50	71.1	152.9	152.9	0.47
1538393	65	83.2	178.1	178.1	0.80
1538394	80	91.4	190.4	190.4	0.97
1538395	100	104.1	228.5	228.5	1.35
1538396	150	129.6	278.8	278.8	2.21
1538397	200	174.9	343.2	343.2	4.48

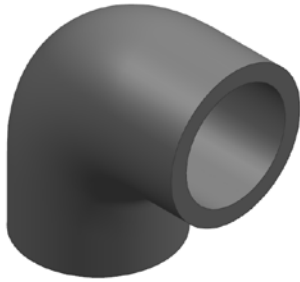


NPT FEMALE THREADED VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1535203	15	27.9	89.5	89.5	0.09
1535204	20	31.1	98.4	98.4	0.12
1535205	25	35.3	107.8	107.8	0.17
1535206	32	38.2	117.4	117.4	0.21
1535207	40	42.4	127.1	127.1	0.26
1535208	50	46.2	152.9	152.9	0.44
1538386	65	54.2	178.1	178.1	0.80
1535209	80	59.9	190.4	190.4	1.21
1535210	100	70.5	228.5	228.5	1.30

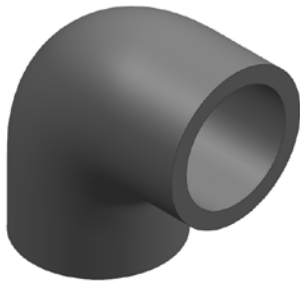
SCHEDULE 80 CPVC FITTINGS

ELBOWS



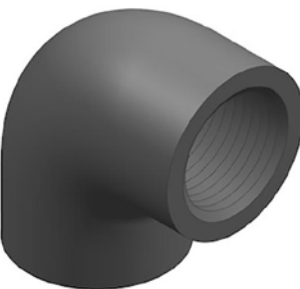
PLAIN FEMALE 90 DEGREE ELBOW

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538509	15	52.4	29.5	52.4	0.04
1538510	20	61.6	35.3	61.6	0.06
1538511	25	73.0	43.7	73.0	0.11
1538512	32	85.1	52.8	85.1	0.16
1538513	40	94.9	59.6	94.9	0.22
1538514	50	111.9	73.2	111.9	0.34
1538515	65	135.2	89.4	135.2	0.59
1538516	80	154.9	106.0	154.9	0.78
1538517	100	192.8	134.1	192.8	1.38
1538518	150	269.5	192.5	269.5	4.30
1538519	200	352.6	247.7	352.6	6.94



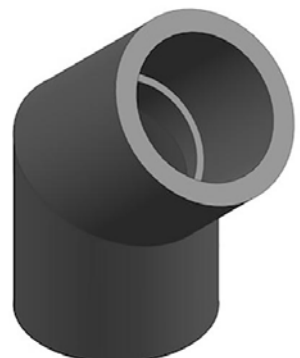
FAUCET 90 DEGREE ELBOW PLAIN FEMALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538520	15 X 15	50.3	31.2	48.0	0.04



THREADED 90 DEGREE ELBOW NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538521	15	47.1	31.4	47.1	0.04
1538522	40	82.4	62.9	82.4	0.22

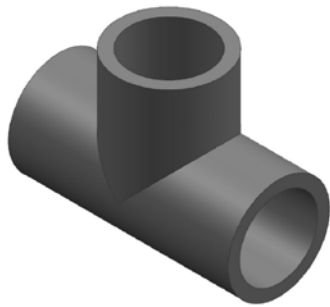


PLAIN FEMALE 45 DEGREE ELBOW

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538523	15	47.3	29.7	63.4	0.04
1538524	20	53.1	35.2	68.2	0.05
1538525	25	60.2	43.6	79.6	0.08
1538526	32	77.3	53.2	95.9	0.12
1538527	40	84.7	59.7	102.6	0.17
1538528	50	101.3	73.2	119.7	0.27
1538529	65	122.1	89.2	142.6	0.41
1538530	80	138.7	106.3	153.4	0.64
1538531	100	172.8	132.8	190.3	1.07
1538532	150	251.9	192.9	278.9	3.26

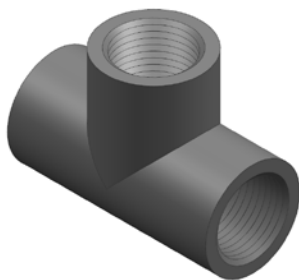
SCHEDULE 80 CPVC FITTINGS

TEES



PLAIN FEMALE TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538484	15	71.8	29.5	53.2	0.07
1538485	20	81.6	35.4	61.2	0.08
1538486	25	94.3	43.7	71.8	0.15
1538487	32	110.5	52.9	83.7	0.22
1538488	40	123.9	59.4	92.8	0.31
1538489	50	142.7	73.4	109.3	0.44
1538490	65	169.2	89.6	130.2	0.80
1538491	80	189.2	105.7	149.8	1.16
1538492	100	235.1	133.9	189.1	1.89
1538493	150	334.5	192.9	266.7	5.45
1538494	200	441.7	247.3	348.1	9.75

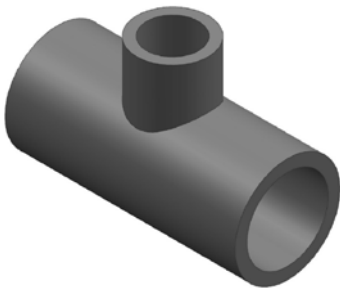


THREADED TEE NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538506	15	64.8	30.9	47.6	0.06
1538507	20	86.3	46.2	68.6	0.16
1538508	25	104.9	62.6	84.0	0.30

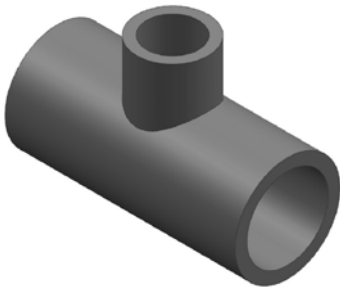
SCHEDULE 80 CPVC FITTINGS

TEES



PLAIN FEMALE REDUCING TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538495	25 X 15	95.1	43.5	66.2	0.15
1538496	40 X 15	97.4	59.5	82.0	0.22
1538497	40 X 25	107.6	59.4	88.5	0.37
1538498	50 X 15	104.0	72.5	95.0	0.22
1538499	50 X 25	113.9	72.5	101.6	0.44
1538500	50 X 40	154.9	88.6	127.0	0.59
1538501	80 X 50	162.6	95.0	133.6	0.78
1538502	100 X 50	179.0	132.6	170.6	2.47
1538503	100 X 80	210.3	133.5	182.0	1.60
1538504	150 X 50	226.0	195.6	229.8	5.78
1538505	150 X 100	333.1	192.4	251.4	4.78



BUSHED PLAIN FEMALE REDUCING TEE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538774	150 X 80	333.1	192.4	279.4	5.75
1538775	200 X 100	386.7	247.3	331.7	11.44



BUSHED PLAIN FEMALE WYE 45 DEGREE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538783	100 X 50	328.6	133.1	270.1	2.84

SCHEDULE 80 CPVC FITTINGS

SOCKETS



PLAIN FEMALE SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538533	15	49.1	31.1	31.1	0.04
1538534	20	55.4	35.8	35.8	0.06
1538535	25	61.2	43.6	43.6	0.09
1538536	32	67.8	53.0	53.0	0.13
1538537	40	74.7	59.6	59.6	0.18
1538538	50	80.8	72.7	72.7	0.29
1538539	65	95.7	88.6	88.6	0.43
1538540	80	102.6	106.5	106.5	0.48
1538541	100	121.9	133.4	133.4	0.78
1538542	150	162.5	191.9	191.9	1.54
1538543	200	213.3	248.1	248.1	3.59



FAUCET SOCKET PLAIN FEMALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538564	15 X 15	45.6	35.3	35.3	0.04
1538565	20 X 20	49.9	39.6	39.6	0.05
1538566	25 X 25	57.5	48.8	48.8	0.09
1538567	32 X 32	62.1	59.1	59.1	0.12
1538568	40 X 40	65.8	66.0	66.0	0.15
1538569	50 X 50	70.2	79.7	79.7	0.22
1538570	80 X 80	96.5	110.0	110.0	0.51

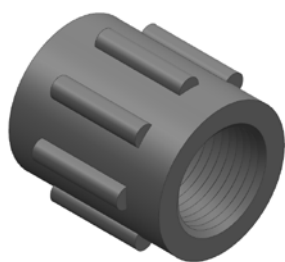


VALVE SOCKET PLAIN FEMALE X NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538571	15 X 15	46.9	29.6	29.6	0.02
1538572	20 X 20	51.5	35.4	35.4	0.03
1538573	25 X 25	60.4	43.8	43.8	0.05
1538574	32 X 32	64.9	53.0	53.0	0.07
1538575	40 X 40	68.3	59.4	59.4	0.09
1538576	50 X 50	71.9	72.1	72.1	0.13
1538577	80 X 80	93.9	88.4	88.4	0.33
1538578	100 X 100	98.9	106.0	106.0	0.55

SCHEDULE 80 CPVC FITTINGS

SOCKETS



THREADED SOCKET NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538556	15	42.7	35.6	35.6	0.03
1538557	20	44.5	39.9	39.9	0.05
1538558	40	56.4	65.9	65.9	0.12
1538559	50	58.2	79.9	79.9	0.20



PLAIN FEMALE REDUCING SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538544	20 X 15	54.1	38.7	38.7	0.04
1538545	25 X 15	55.1	47.3	47.3	0.07
1538546	25 X 20	57.4	47.2	47.2	0.07
1538547	40 X 25	67.4	63.6	63.6	0.43
1538548	40 X 32	71.5	63.6	63.6	0.13
1538549	50 X 25	80.1	77.4	77.4	0.28
1538550	50 X 40	77.8	77.2	77.2	0.21
1538551	65 X 40	85.4	89.1	89.1	0.23
1538552	80 X 50	91.7	111.7	111.7	0.45
1538553	100 X 80	111.3	140.1	140.1	0.83
1538554	150 X 100	258.4	201.1	201.1	3.31
1538555	200 X 150	233.1	253.9	253.9	3.73



BUSHED PLAIN FEMALE REDUCING SOCKET

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538776	40 X 15	74.6	63.6	63.6	0.10
1538777	40 X 20	63.6	63.9	63.9	0.43
1538778	50 X 15	87.4	77.4	77.4	0.14
1538779	80 X 40	116.3	106.5	106.5	0.42
1538780	80 X 65	116.3	111.5	111.5	0.71
1538781	100 x 50	125.6	140.1	140.1	1.18

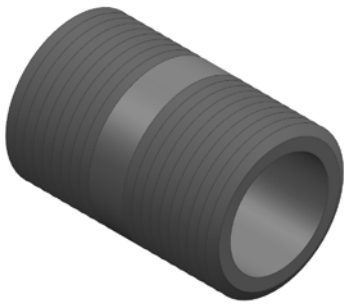
SCHEDULE 80 CPVC FITTINGS

SOCKETS



THREADED REDUCING SOCKET NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538560	15 X 6	36.7	32.6	32.6	0.03
1538561	15 X 10	37.1	32.6	32.6	0.03
1538562	25 X 15	46.7	47.2	47.2	0.07
1538563	40 X 25	52.3	63.6	63.6	0.12



PIPE PIECE NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538690	20 X 25	50.8	26.7	26.7	0.03
1538691	15 X 32	28.7	21.3	21.3	0.01
1538692	15 X 50	50.8	21.3	21.3	0.02
1538693	15 X 80	76.2	21.3	21.3	0.03
1538694	20 X 32	35.1	26.7	26.7	0.02
1538695	25 X 40	38.1	33.4	33.4	0.03
1538696	40 X 45	44.5	48.3	48.3	0.04
1538697	40 X 50	50.8	48.3	48.3	0.06
1538698	40 X 100	101.6	48.3	48.3	0.12

SCHEDULE 80 CPVC FITTINGS

UNIONS



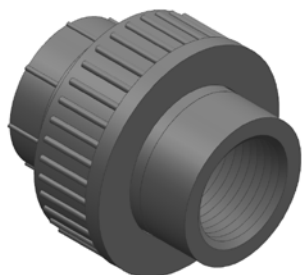
BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538706	15	64.9	50.1	50.1	0.03
1538707	20	71.1	58.8	58.8	0.05
1538708	25	81.8	67.6	67.6	0.07
1538709	32	90.4	78.9	78.9	0.11
1538710	40	95.5	95.5	95.5	0.17
1538711	50	106.0	115.0	115.0	0.29
1538699	80	265.4	105.8	212.9	1.45



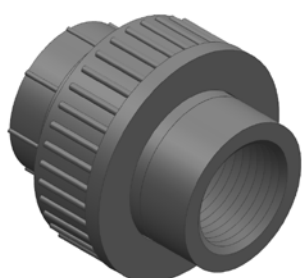
BARREL UNION (PLAIN FEMALE X PLAIN FEMALE) FKM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538700	15	64.9	50.1	50.1	0.03
1538701	20	71.1	58.8	58.8	0.05
1538702	25	81.8	67.6	67.6	0.07
1538703	40	90.4	78.9	78.9	0.17
1538704	50	95.5	95.5	95.5	0.29
1538688	80	119.7	172.9	172.9	1.45
1538689	100	143.2	215.0	215.0	2.14



THREADED UNION (NPT FEMALE) EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538712	15	52.2	50.1	50.1	0.03
1538713	20	53.7	58.8	58.8	0.05
1538714	25	66.1	67.6	67.6	0.07
1538715	40	71.2	78.9	78.9	0.17
1538716	50	70.2	95.5	95.5	0.29

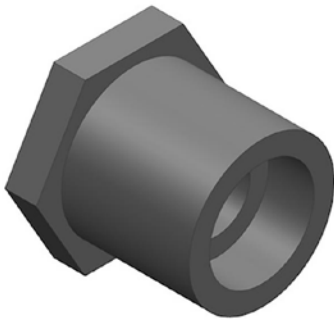


THREADED UNION (NPT FEMALE) FKM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538705	15	106.0	115.0	115.0	0.03

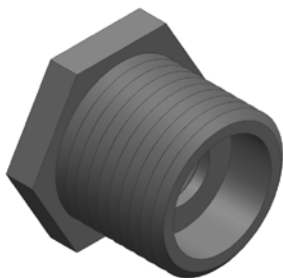
SCHEDULE 80 CPVC FITTINGS

BUSHES



PLAIN REDUCING BUSH

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538579	15 X 6	29.1	24.9	24.9	0.01
1538580	15 X 10	27.7	25.5	25.5	0.01
1538581	20 X 15	33.1	30.9	30.9	0.01
1538582	25 X 15	36.5	38.9	38.9	0.03
1538583	25 X 20	36.4	38.9	38.9	0.02
1538584	32 X 15	39.3	44.6	44.6	0.05
1538585	32 X 20	39.9	48.0	48.0	0.05
1538586	32 X 25	40.3	47.9	47.9	0.04
1538587	40 X 15	42.8	47.9	47.9	0.07
1538588	40 X 20	42.6	54.0	54.0	0.08
1538589	40 X 25	42.9	54.0	54.0	0.06
1538590	40 X 32	43.6	54.1	54.1	0.04
1538591	50 X 15	46.0	66.0	66.0	0.10
1538592	50 X 20	46.1	65.9	65.9	0.11
1538593	50 X 25	46.4	65.8	65.8	0.11
1538594	50 X 32	45.9	65.8	65.8	0.10
1538595	50 X 40	46.0	65.9	65.9	0.08
1538596	65 X 40	58.6	79.4	79.4	0.18
1538597	65 X 50	53.3	78.0	78.0	0.12
1538598	80 X 25	61.3	94.0	94.0	0.47
1538599	80 X 40	61.8	95.5	95.5	0.34
1538600	80 X 50	61.5	94.0	94.0	0.36
1538601	80 X 65	57.6	93.8	93.8	0.23
1538602	100 X 50	68.6	120.7	120.7	0.57
1538603	100 X 80	69.6	123.7	123.7	0.42
1538604	150 X 80	92.8	176.2	176.2	1.58
1538605	150 X 100	93.1	177.0	177.0	1.78
1538606	200 X 150	118.5	230.4	230.4	2.08

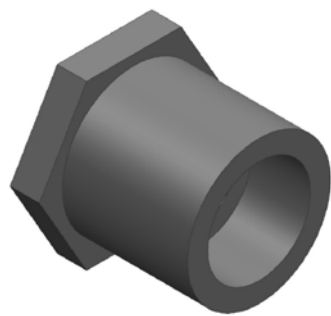


THREADED BUSH NPT

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538622	20 X 15	27.3	34.6	34.6	0.08
1538623	25 X 15	31.4	38.1	38.1	0.08
1538624	25 X 20	32.4	39.7	39.7	0.05
1538625	40 X 20	33.9	52.9	52.9	0.06
1538626	50 X 25	36.1	64.8	64.8	0.11

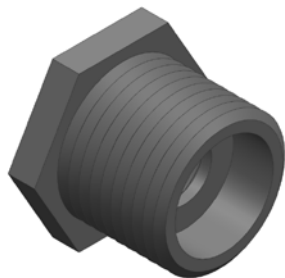
SCHEDULE 80 CPVC FITTINGS

BUSHES



REDUCING BUSH PLAIN MALE X NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538607	15 X 6	28.9	24.8	24.8	0.01
1538608	15 X 20	28.7	24.7	24.7	0.02
1538609	20 X 6	30.8	30.1	30.1	0.02
1538610	20 X 15	32.6	29.4	29.4	0.02
1538611	25 X 5	36.1	38.2	38.2	0.03
1538612	25 X 20	35.8	38.3	38.3	0.03
1538613	32 X 25	39.7	47.1	47.1	0.04
1538614	40 X 20	43.0	53.1	53.1	0.07
1538615	40 X 25	42.7	53.1	53.1	0.07
1538616	50 X 15	45.6	65.1	65.1	0.10
1538617	50 X 20	45.8	65.1	65.1	0.10
1538618	50 X 25	45.8	64.9	64.9	0.11
1538619	50 X 32	46.0	65.0	65.0	0.10
1538620	50 X 40	47.7	65.0	65.0	0.09
1538621	65 X 50	53.9	78.1	78.1	0.18

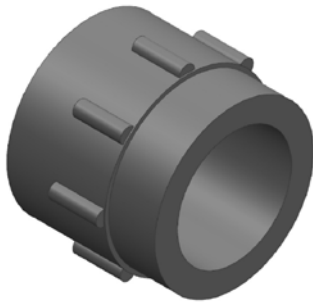


BUSHED REDUCING BUSH

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538782	150 X 50	269.5	201.1	201.1	2.35

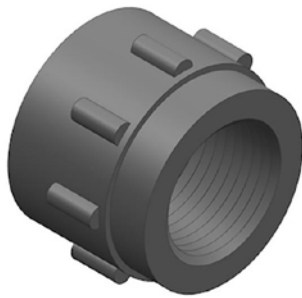
SCHEDULE 80 CPVC FITTINGS

CAPS & PLUGS



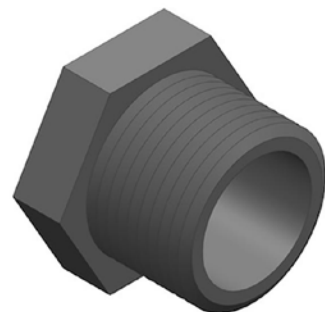
PLAIN FEMALE CAP

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538627	15	33.0	35.2	35.2	0.03
1538628	20	37.0	39.3	39.3	0.03
1538629	25	42.1	48.7	48.7	0.06
1538630	32	48.0	59.3	59.3	0.08
1538631	40	52.9	68.9	68.9	0.14
1538632	50	59.0	79.7	79.7	0.14
1538633	65	66.4	95.8	95.8	0.36
1538634	80	77.8	110.6	110.6	0.46
1538635	100	93.7	139.9	139.9	0.70
1538636	150	123.3	192.0	192.0	1.69
1538637	200	158.8	248.2	248.2	3.73



THREADED CAP NPT FEMALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538638	25	38.3	49.4	49.4	0.06
1538639	40	43.2	65.9	65.9	0.10
1538640	50	46.3	80.3	80.3	0.18

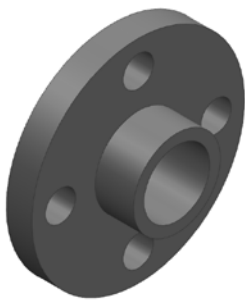


THREADED PLUG NPT MALE

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538641	10	21.0	20.2	20.2	0.00
1538642	15	25.0	24.7	24.7	0.01
1538643	20	26.9	30.0	30.0	0.01
1538644	25	31.6	38.5	38.5	0.02
1538645	50	37.4	65.3	65.3	0.08

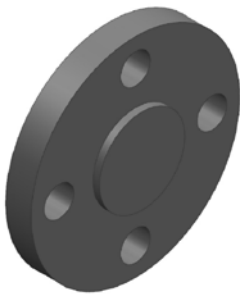
SCHEDULE 80 CPVC FITTINGS

FLANGES



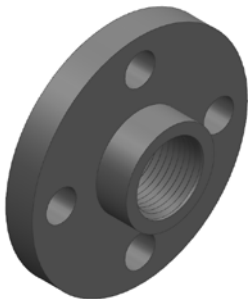
PLAIN FEMALE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538646	15	25.9	89.0	89.0	0.09
1538647	25	32.9	108.6	108.6	0.20
1538648	32	36.7	117.7	117.7	0.19
1538649	40	39.1	127.2	127.2	0.35
1538650	50	43.9	152.6	152.6	0.59
1538651	65	50.6	177.8	177.8	0.82
1538652	80	62.5	190.7	190.7	1.06
1538653	100	70.7	229.7	229.7	1.45



BLIND FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538658	15	12.2	89.1	89.1	0.13
1538659	20	14.0	99.0	99.0	0.17
1538660	25	16.8	108.9	108.9	0.20
1538661	32	18.4	117.2	117.2	0.29
1538662	40	20.5	127.3	127.3	0.38
1538663	50	22.7	152.9	152.9	0.52
1538664	80	26.2	189.3	189.3	1.29
1538665	100	29.0	227.5	227.5	2.15
1538666	150	38.3	278.2	278.2	3.44
1538667	200	41.0	343.1	343.1	4.19

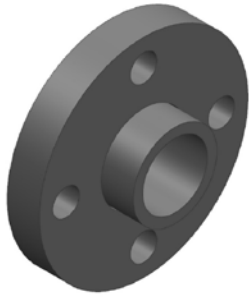


NPT FEMALE THREADED FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538654	15	22.6	89.1	89.1	0.10
1538655	25	28.7	108.7	108.7	0.20
1538656	40	30.2	126.8	126.8	0.32
1538657	50	30.9	152.9	152.9	0.56

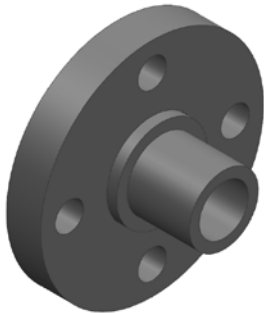
SCHEDULE 80 CPVC FITTINGS

FLANGES



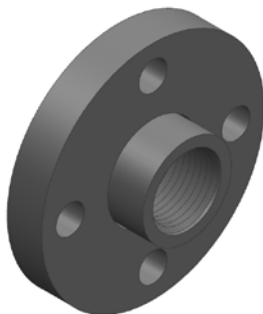
PLAIN FEMALE VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538668	15	28.0	89.5	89.5	0.10
1538669	20	31.2	98.4	98.4	0.13
1538670	25	35.1	107.8	107.8	0.17
1538671	32	38.6	117.4	117.4	0.21
1538672	40	42.7	127.1	127.1	0.27
1538673	50	46.6	152.9	152.9	0.47
1538674	65	54.6	178.1	178.1	0.87
1538675	80	59.2	190.4	190.4	1.01
1538676	100	69.9	228.5	228.5	1.41
1538677	150	90.0	278.8	278.8	2.28
1538678	200	116.8	343.2	343.2	4.04



PLAIN MALE SPIGOT VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538681	15	43.7	89.5	89.5	0.10
1538682	25	53.4	107.8	107.8	0.18
1538683	40	63.0	127.1	127.1	0.29
1538684	50	71.1	152.9	152.9	0.51
1538685	65	83.2	178.1	178.1	0.87
1538686	80	91.4	190.4	190.4	1.05
1538687	150	129.6	278.8	278.8	2.40



NPT FEMALE THREADED VAN-STONE FLANGE ANSI-150

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538679	25	35.3	107.8	107.8	0.18
1538680	40	42.4	127.1	127.1	0.28

SCHEDULE 80 UPVC FITTINGS

PIPE CLIPS



PIPE CLIPS

CODE	DESCRIPTION	SIZE
R05.434.015	1/2" Pipe Clip	1/2"
R05.434.020	3/4" Pipe Clip	3/4"
R05.434.025	1" Pipe Clip	1"
R05.434.032	1 1/4" Pipe Clip	1 1/4"
R05.434.040	1 1/2" Pipe Clip	1 1/2"
R05.434.050	2" Pipe Clip	2"
R05.434.065	2 1/2" Pipe Clip	2 1/2"
R05.434.080	3" Pipe Clip	3"
R05.434.100	4" Pipe Clip	4"

PIPE CLIPS - TYPE F

CODE	DESCRIPTION	SIZE
R05.434.080F	3" Pipe Clip	3"
R05.434.100F	4" Pipe Clip	4"
R05.434.150F	6" Pipe Clip	6"

SCHEDULE 80 UPVC FITTINGS

CEMENT & PRIMER



CEMENT

CODE	DESCRIPTION	SIZE
R32.461.050	PVC-U SCH80 CEMENT 500ML	500ML
R32.461.100	PVC-U SCH80 CEMENT 1LTR	1LTR



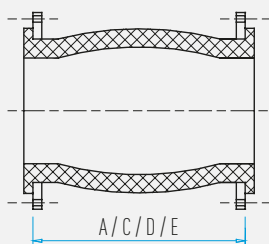
PRIMER

CODE	DESCRIPTION	SIZE
R32.463.050	PVC-U SCH80 PRIMER 500ML	500ML
R32.463.100	PVC-U SCH80 PRIMER 1LTR	1LTR



RUBBER EXPANSION JOINT

CODE	SIZE	A MM	C MM	D °	E MM	PN RATING
R04.452.032	DN 32 S1	95	8	15°	4	15
R04.452.040	DN 40 S1	95	8	15°	4	15
R04.452.050	DN 50 S1	105	8	15°	5	15
R04.452.080	DN 80 S1	130	12	15°	6	15
R04.452.100	DN 100 S1	135	18	15°	10	15
R04.452.150	DN 150 S1	180	18	15°	10	15
R14.452.225	DN 200 S1	205	25	15°	14	15
R14.452.250	DN 225 S1	240	25	15°	14	15
R14.452.315	DN 300 S1	260	25	15°	14	15
R14.452.355	DN 350 S1	265	25	15°	14	9
R14.452.400	DN 375 S1	265	25	15°	14	9



A = Natural Length D = Angular Deflection
C = Axial Compression E = Axial Extension

SCHEDULE 80 VALVES

GEORG FISCHER

SCHEDULE 80 VALVES

VALVES



DOUBLE UNION BALL VALVE (PLAIN FEMALE X PLAIN FEMALE)
EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538806	10	105.0	51.0	87.0	0.16
1538807	15	135.0	85.0	60.0	0.23
1538808	20	120.0	98.0	58.0	0.25
1538809	25	158.0	83.0	113.0	0.48
1538810	32	175.0	90.0	140.0	0.80
1538811	40	199.0	154.0	111.0	1.09
1538812	50	225.0	185.0	130.0	1.92
1538813	65	262.0	224.0	408.0	4.36
1538814	80	244.0	201.0	258.0	5.38
1538815	100	387.0	293.0	400.0	9.63



DOUBLE UNION BALL VALVE (PLAIN FEMALE X PLAIN FEMALE)
EPDM SEAL ASTM US IMPERIAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538323	15	80.0	78.0	78.0	0.13
1538324	20	91.0	90.0	90.0	0.21
1538325	25	102.0	101.0	101.0	0.31
1538326	32	120.0	119.0	119.0	0.45
1538327	40	140.0	137.0	137.0	0.70
1538328	50	169.0	165.0	165.0	1.20



DOUBLE UNION BALL VALVE (PLAIN FEMALE X PLAIN FEMALE) FKM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538797	10	90.0	50.0	90.0	0.15
1538798	15	100.0	50.0	90.0	0.15
1538799	20	110.0	60.0	100.0	0.23
1538800	25	120.0	70.0	110.0	0.33
1538801	32	150.0	90.0	140.0	0.59
1538802	40	160.0	97.0	150.0	0.86
1538803	50	185.0	125.0	190.0	1.58
1538804	80	247.0	201.0	257.0	5.40
1538805	100	275.0	239.0	307.0	8.58



BUTTERFLY VALVE PVC-U WAFER EPDM SEAL

CODE	SIZE (MM)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	WEIGHT (KG)
1538816	50	350.0	170.0	220.0	1.65
1538817	65	264.0	107.0	227.0	1.35
1538818	80	275.0	145.0	145.0	1.52
1538819	100	195.0	160.0	320.0	2.19
1538820	125	360.0	110.0	350.0	2.54
1538821	150	390.0	210.0	260.0	4.27
1538822	200	272.0	209.0	462.0	6.48

ABS SYSTEMS

DURAFLO®

ABS SYSTEMS PIPES AND FITTINGS

TOUGH, RESILIENT THERMOPLASTIC WITH HIGH IMPACT STRENGTH, GOOD CHEMICAL RESISTANCE, NON TOXIC & TAINT FREE

ABS thermoplastics are recognised as a suitable material to be used in many industry applications. The material is very tough and resilient, has high impact strength, good chemical resistance non-toxic and taint free.

ABS piping systems are replacing many piping systems made from other materials. Viadux's ABS piping systems comprises a large range of pressure ratings for pipes and fittings, joined together by cold solvent cement welding.

The formulation of ABS used by Viadux has been developed in conjunction with polymer manufacturers to optimise performance in respect to tensile strength, chemical resistance, ductility, resistance to weathering, heat stability, low toxicity, taint free and ease processing from raw material to finished product.

APPLICATIONS

DURAFLO pipes & fittings are widely used in a variety of applications such as:

- HVAC, chilled water and condenser
- Water reticulation
- Domestic plumbing
- Water treatment plants
- Waste water treatment and recycling plants
- Power generation plants
- Industrial plants such as electronics, food processing, chemical, paper mills, palm oils and rubber mills.

THE ENVIRONMENT

The use of ABS contributes positively to the environment as it takes approximately one sixth of the energy to manufacture compared to metal products. This has direct savings in greenhouse gas emissions. Additionally ABS is lead, chlorine and halogen free and can be readily recycled.



ABS SYSTEMS PIPES & FITTINGS

TOUGH, RESILIENT THERMOPLASTIC WITH HIGH IMPACT STRENGTH, GOOD CHEMICAL RESISTANCE, NON TOXIC & TAINT FREE

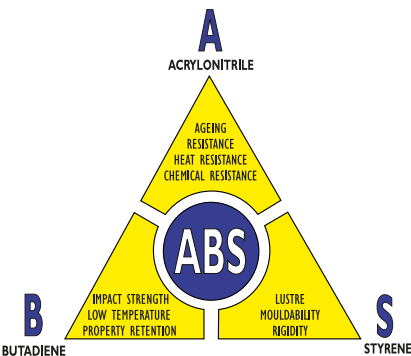
THE MATERIAL

Acrylonitrile – Butadiene – Styrene (ABS) identifies a family of engineering thermoplastics with a broad range of performance characteristics. The copolymeric system is alloyed to yield the optimum balance of properties suited to the selected end use.

ACRYLONITRILE imparts chemical resistance and rigidity.

BUTADIENE endows the product with impact strength, toughness and abrasion resistance.

STYRENE contributes to the lustre, ease of processing and rigidity.



LIGHT WEIGHT

ABS is one-sixth the weight of steel systems, making DURAFLO easy to handle and install. This reduces the cost of installation, handling and transport.

COLD SOLVENT WELD JOINING

The DURAFLO range also utilise the proven traditional method of joining ABS pipes, cold solvent cement welding, which provides a homogeneous bond/weld between pipes and fittings (SWJ).

PRESSURE RATINGS

DURAFLO ABS Piping Systems are available in a range of sizes from DN 15 to DN 750. Standard pressure ratings at 20°C are 900 kPa, 1200 kPa and 1500 kPa (Class C, Class D and Class E).

TEMPERATURE RANGE

A great advantage of DURAFLO ABS over other plastic systems is its ability to perform over a wide temperature range from -30°C to +60°C. This makes DURAFLO ABS very versatile and capable of handling a wide variety of fluids from refrigerants to moderately hot corrosive liquids.

CHEMICAL RESISTANCE

DURAFLO ABS is unaffected by both internal and external attack by a wide range of acids, alkalis, ground water salts and other environmental factors. Please refer to Viadux for further information.

Quick Reference Chemical Resistance

Weak acids	Good resistance
Strong acids	Limited resistance
Weak alkalis	Good resistance
Strong alkalis	Good resistance
Aggressive soils	Excellent resistance
Metal salts	Good resistance
Sea water	Excellent resistance
Aromatic	Poor resistance hydrocarbons
Organic solvents	Poor resistance

NON-TOXIC / TAINT FREE

The ABS formulation contains no harmful metallic stabilisers and has been widely used for many years in piping systems for drinking water, medical preparations, food products and potable water. The DURAFLO ABS system is ideal for potable cold water, conforming to World Health Organisation, EU and AS 4020 / BS 6920 requirement for potable water reticulation and distribution.



ABS SYSTEMS PIPES & FITTINGS

TOUGH, RESILIENT THERMOPLASTIC WITH HIGH IMPACT STRENGTH, GOOD CHEMICAL RESISTANCE, NON TOXIC & TAINT FREE

SMOOTH BORE

DURAFLO ABS does not suffer from internal corrosion and provides a smooth bore for the life of the piping systems. The smooth bore does not support formation of scale and slime as with cement based lined products.

ABRASION RESISTANCE

DURAFLO ABS offers outstanding resistance to abrasion and erosion from aggressive slurries which can rapidly damage steel or other traditional pipe materials.

WEATHER RESISTANCE

DURAFLO ABS is one of the most weather resistance polymers available today. Successful field tests have been completed on piping systems having been exposed to weathering for over 30 years.

STANDARDS

DURAFLO products are manufactured to conform to recognised international engineering quality standard such as Australian Standard AS/NZS 3518. Viadux is also accredited to ISO9001: Quality System.

IMPACT STRENGTH

The butadiene constituent in ABS affords unrivalled resistance to impact. This means that DURAFLO Piping systems may be used in more critical applications where other types of plastics could not be considered.

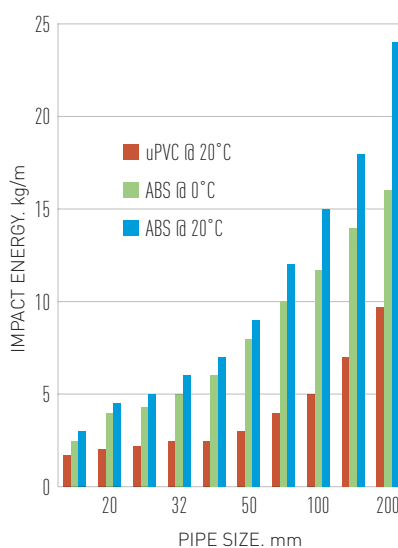
ABS is a ductile material and the mode of failure resembles that of soft copper. Failure is by ductile distortion and tearing, the localised nature minimising the loss of pipe contents.

In contrast, crack propagation and hazardous material fragmentation accompany the failure of brittle material.

THERMAL EXPANSION

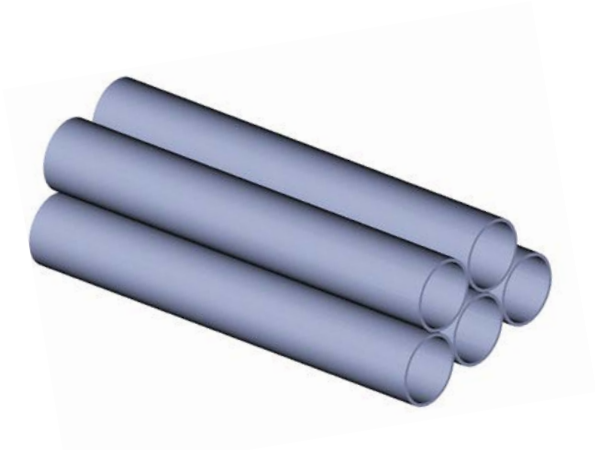
All thermoplastics expand at a greater rate than metal.

Expansion need not cause undue concern in design or installation of an ABS piping system provided that due recognition is taken at the design stage. The reduced flexural modulus of ABS over that of steel results in reduced loads on supports and equipment arising from thermal strains. The linear coefficient of thermal expansion of ABS is $10.1 \times 10^{-5} \text{ m/m}^\circ\text{C}$.



ABS SYSTEMS PIPES

FOR INDUSTRIAL APPLICATIONS

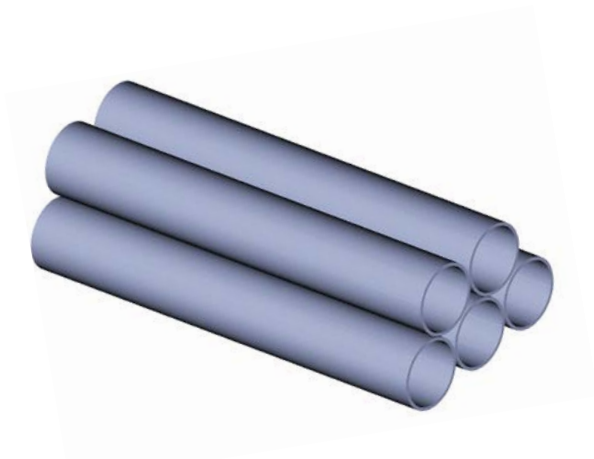


DURAFLO ABS PRESSURE PIPE – SERIES 1

CODE	SIZE	PRESSURE RATING	TYPE	COMPOUND CLASS	PRESSURE BAR	OD MEAN MM	WALL MEAN MM	ID MEAN MM
R11.5200.015	DN 15 S1	PN 20	DURAFLO	ABS160	20	21.4	2.1	17.2
R11.5180.020	DN 20 S1	PN 18	DURAFLO	ABS160	18	26.8	2.4	21.9
R11.5180.025	DN 25 S1	PN 18	DURAFLO	ABS160	18	33.6	3.0	27.5
R11.5180.032	DN 32 S1	PN 18	DURAFLO	ABS160	18	42.3	3.2	35.9
R11.5180.040	DN 40 S1	PN 18	DURAFLO	ABS160	18	48.3	3.6	41.0
R11.5120.050	*DN 50 S1	PN 12	DURAFLO	ABS160	12	60.4	3.7	53.0
R11.5150.050	DN 50 S1	PN 15	DURAFLO	ABS160	15	60.4	4.5	51.3
R11.5120.065	*DN 65 S1	PN 12	DURAFLO	ABS160	12	75.4	4.5	66.4
R11.5150.065	DN 65 S1	PN 15	DURAFLO	ABS160	15	75.4	5.7	64.0
R11.5090.080	DN 80 S1	PN 9	DURAFLO	ABS160	9	88.9	4.1	80.7
R11.5120.080	*DN 80 S1	PN 12	DURAFLO	ABS160	12	88.9	5.4	78.2
R11.5150.080	DN 80 S1	PN 15	DURAFLO	ABS160	15	88.9	6.6	75.7
R11.5090.100	DN 100 S1	PN 9	DURAFLO	ABS160	9	114.3	5.3	103.8
R11.5120.100	*DN 100 S1	PN 12	DURAFLO	ABS160	12	114.3	6.8	100.7
R11.5150.100	DN 100 S1	PN 15	DURAFLO	ABS160	15	114.3	8.5	97.4
R11.5090.125	*DN 125 S1	PN 9	DURAFLO	ABS160	9	140.2	6.4	127.3
R11.5120.125	*DN 125 S1	PN 12	DURAFLO	ABS160	12	140.2	8.4	123.4
R11.5150.125	DN 125 S1	PN 15	DURAFLO	ABS160	15	140.2	10.4	119.4
R11.5090.150	DN 150 S1	PN 9	DURAFLO	ABS160	9	168.3	7.7	152.9
R11.5120.150	*DN 150 S1	PN12	DURAFLO	ABS160	12	168.3	10.1	148.1
R11.5150.150	DN 150 S1	PN15	DURAFLO	ABS160	15	168.3	12.4	143.4

ABS SYSTEMS PIPES

FOR INDUSTRIAL APPLICATIONS



DURAFLO ABS PRESSURE PIPE – SERIES 1

CODE	SIZE	PRESSURE RATING	TYPE	COMPOUND CLASS	PRESSURE BAR	OD MEAN MM	WALL MEAN MM	ID MEAN MM
R11.5060.225	*DN 200 S1	PN 6	DURAFLO	ABS160	6	225.3	7.1	211.3
R11.5090.225	DN 200 S1	PN 9	DURAFLO	ABS160	9	225.3	10.3	204.7
R11.5150.225	DN 200 S1	PN15	DURAFLO	ABS160	15	225.3	16.6	192.1
R11.5060.250	*DN 225 S1	PN 6	DURAFLO	ABS160	6	250.4	7.8	234.8
R11.5090.250	DN 225 S1	PN 9	DURAFLO	ABS160	9	250.4	11.4	227.5
R11.5150.250	DN 225 S1	PN15	DURAFLO	ABS160	15	250.4	18.5	213.0
R11.5060.315	*DN 300 S1	PN 6	DURAFLO	ABS160	6	315.5	9.7	296.0
R11.5090.315	DN 300 S1	PN 9	DURAFLO	ABS160	9	315.5	14.4	286.7
R11.5150.315	DN 300 S1	PN15	DURAFLO	ABS160	15	315.5	23.2	269.1
R11.5060.355	*DN 350 S1	PN 6	DURAFLO	ABS160	6	355.5	11.0	333.6
R11.5090.355	DN 350 S1	PN 9	DURAFLO	ABS160	9	355.5	16.2	323.2
R11.5150.355	DN 350 S1	PN15	DURAFLO	ABS160	15	355.5	26.2	303.1
R11.5060.400	*DN 375 S1	PN 6	DURAFLO	ABS160	6	400.5	12.3	375.8
R11.5090.400	DN 375 S1	PN 9	DURAFLO	ABS160	9	400.5	18.2	364.1
R11.5150.400	DN 375 S1	PN 15	DURAFLO	ABS160	15	400.5	29.5	341.5

*Non stockable – made to order. (Minimum quantities apply)

Larger pipes & fittings from DN 400 to DN 750 are available – price on application

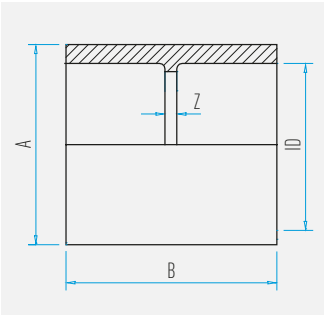
Pipe complies with AS/NZS 3518

All values quoted are subject to manufacturing tolerances standard pipe length supplied 5.8M
Other lengths and pressure ratings are available upon request

Pipe is supplied plain ended.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS

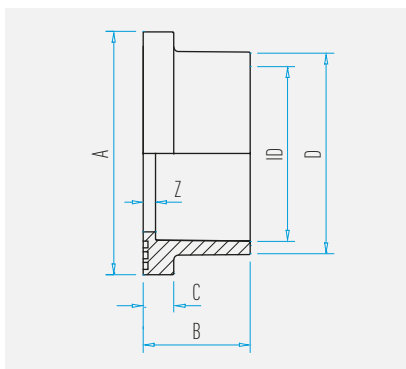


PLAIN SOCKET

CODE	SIZE	ID MM	A MM	B MM	Z MM	PN RATING
R 01.100.015	DN 15 S1	21	27	43	9	15
R 01.100.020	DN 20 S1	27	33	47	7	15
R 01.100.025	DN 25 S1	34	41	53	7	15
R 01.100.032	DN 32 S1	42	52	61	7	15
R 01.100.040	DN 40 S1	48	59	65	5	15
R 01.100.050	DN 50 S1	60	74	77	5	15
R 01.100.065	DN 65 S1	75	93	91	3	15
R 01.100.080	DN 80 S1	89	110	112	10	15
R 01.100.100	DN 100 S1	114	141	138	10	15
R 01.100.125	DN 125 S1	140	168	165	12	15
R 01.100.150	DN 150 S1	168	204	192	12	15
R 11.100.225	DN 200 S1	225	250	246	8	12
R 11.100.250	DN 225 S1	250	280	271	9	12
R 11.100.315	DN 300 S1	315	355	337	9	12
R 11.100.400	DN 375 S1	400	440	423	11	12

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



CODE 134 – to suit backing ring
drilled to JIS10K

CODE 135 – suits all other drillings

Complies with AS/NZS 3518.



Size Range: DN 200 to DN 375

Temperature Range: -30°C to 60°C

Joining Method: Solvent cement

Complies with AS/NZS 3518.

STUB FLANGE

CODE	SIZE	ID MM	A MM	B MM	C MM	D MM	Z MM	D* MM	A* MM	PN RATING
R01.135.050	DN 50 S1	60	96	40	14	74	3	74	96	15
R01.135.065	DN 65 S1	75	106	47	10	90	3	90	106	15
R01.135.080	DN 80 S1	89	127	57	18	108	5	108	127	15
R01.135.100	DN 100 S1	114	159	70	20	134	5	134	156	15
R01.135.125	DN 125 S1	140	187	84	12	163	5	163	181	15
R01.135.150	DN 150 S1	168	214	100	24	192	8	192	214	15
R11.135.225	DN 200 S1	225	270	126	25	250	6	247	267	12
R11.135.250	DN 225 S1	250	334	138	30	305	6	301	330	12
R11.135.315	DN 300 S1	315	376	171	35	362	6	350	374	12
R11.135.400	DN 375 S1	400	488	214	35	450	8	440	483	12

When using the new compact stub flanges it will be important to determine what equipment they are matching up to.

Where the flanges are being used with butterfly valves you will need to check the chordal diameter of the valve disc (the disc chord dimension at the face of the valve) to determine if there will be a clash with the pipe ID.

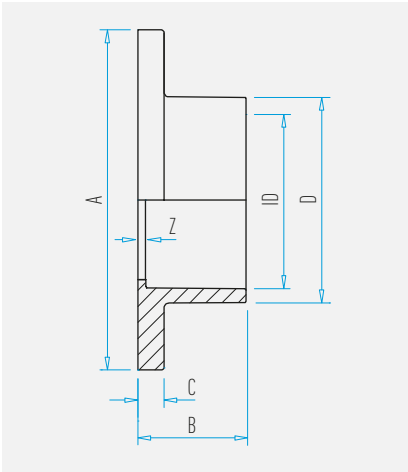
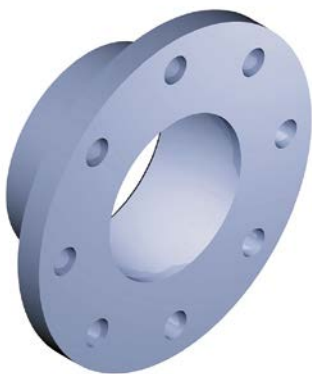
Where this is likely to occur we have the 138 series stub flange which is designed to take the potential clash into account.

138 SERIES STUB FLANGE

CODE	SIZE	ID MM	A MM	B MM	C MM	D MM	Z MM
R11.138.225	200	225	270	144	35	250	250
R11.138.250	225	250	334	191	70	305	60
R11.138.315	300	315	376	224	70	362	60
R11.138.400	375	400	488	306	110	450	100

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



Backing rings are recommended to be used with full face flanges

CODE 129 - Undrilled

CODE 317 - Drilled Table D as 2129..

CODE 322 - Drilled ANSI 150

CODE 329 - Drilled JIS10K

Complies With AS/NZS 3518.

FULL FACE FLANGE – TABLE ‘E’

CODE	SIZE	ID MM	A MM	B MM	C MM	D MM	Z MM	D* MM	PN RATING
R01.130.015	DN 15 S1	21	95	23	10	30	3	30	15
R01.130.020	DN 20 S1	27	100	25	10	35	3	35	15
R01.130.025	DN 25 S1	34	115	28	10	43	3	43	15
R01.130.032	DN 32 S1	42	140	32	10	52	3	52	15
R01.130.040	DN 40 S1	48	150	34	10	62	3	62	15
R01.130.050	DN 50 S1	60	165	40	10	74	3	74	15
R01.130.080	DN 80 S1	89	200	57	12	108	5	108	15
R01.130.100	DN 100 S1	114	220	70	17	134	5	134	15
R01.130.150	DN 150 S1	168	285	100	22	192	8	192	15

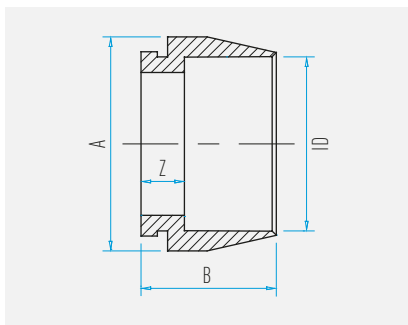
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



SHOULDER END

CODE	SIZE	ID MM	A MM	B MM	Z MM	PN RATING
R01.954.050	DN 50 S1	60	74	70	33	15
R01.954.080	DN 80 S1	89	104	90	39	15
R01.954.100	DN 100 S1	114	141	108	45	15
R01.954.150	DN 150 S1	168	208	140	50	15

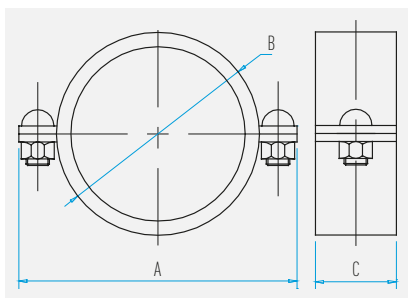


Complies with AS/NZS 3518.:



SHOULDER STYLE COUPLING

CODE	TO SUIT PIPE SIZE	ID MM	A MM	B MM
R03.953.050	DN 50 S1	140	98	44
R03.953.080	DN 80 S1	175	131	46
R03.953.100	DN 100 S1	205	162	50
R03.953.150	DN 150 S1	275	214	52

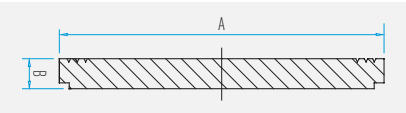


Casing - Galvanised Iron

Gasket - EDPM.

ABS SYSTEMS FITTINGS

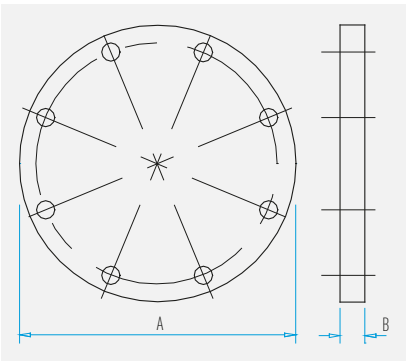
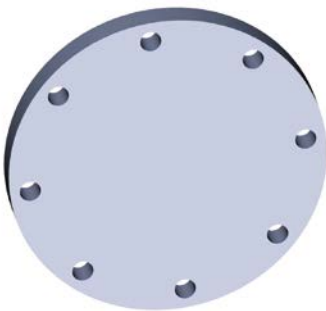
FOR INDUSTRIAL APPLICATIONS



Requires a backing ring
For larger sizes steel plates are recommended.

BLANK FLANGE - STUB STYLE - PN 12

CODE	SIZE	A MM	B MM
R11.136.225	DN 200 S1	270	25
R11.136.250	DN 225 S1	334	34
R11.136.315	DN 300 S1	376	40



Backing rings are recommended
to be used with blank full face flanges

- CODE 131 - Undrilled
- CODE 325 - Drilled ANSI 150
- CODE 326 - Drilled Table D / AS 2129:
- CODE 332 - Drilled JIS10K.

BLANK FULL FACE - FLANGE TABLE 'E'

CODE	SIZE	A MM	B MM
R01.313.015	DN 15 S1	95	13
R01.313.020	DN 20 S1	100	13
R01.313.025	DN 25 S1	115	13
R01.313.032	DN 32 S1	140	13
R01.313.040	DN 40 S1	150	13
R01.313.050	DN 50 S1	165	13
R01.313.080	DN 80 S1	200	19
R01.313.100	DN 100 S1	220	19
R01.313.150	DN 150 S1	285	25

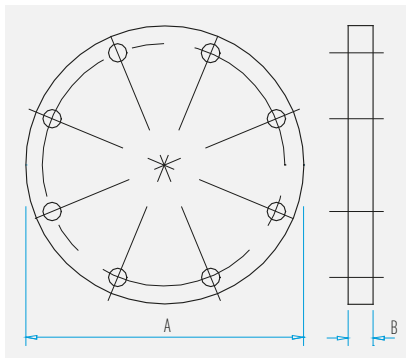
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BLIND STEEL PLATE

CODE	SIZE	A MM	B MM TABLE D* TABLE E*	
R13.***.225	DN 200 S1	335	13	19
R13.***.250	DN 225 S1	405	16	22
R13.***.315	DN 300 S1	455	19	25
R13.***.355	DN 350 S1	525	22	29
R13.***.400	DN 375 S1	580	22	32



Blind plastic liner is recommended to be used with blind steel plate

Standard Material: Hot dipped galvanised mild steel to AS/NZS 4680:..

CODE 731: Drilled Table E / AS 2129:..

CODE 732: Drilled Table D / AS 2129:..

Other drillings available on request.



BLIND ABS LINER

CODE	TO SUIT PIPE SIZE	A MM	B MM
R11.***.225	DN 200 S1	335	3
R11.***.250	DN 225 S1	405	3
R11.***.315	DN 300 S1	455	3
R11.***.355	DN 350 S1	525	3
R11.***.400	DN 375 S1	580	3

For use in conjunction with blind steel plate

Standard Material: ABS white sheet

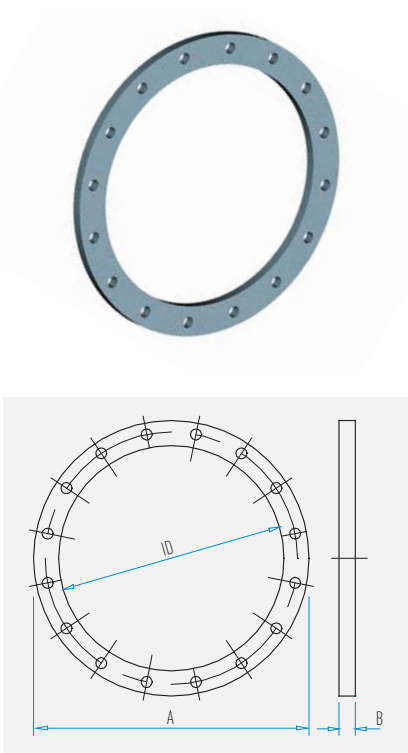
CODE 721: Drilled Table E / AS 2129:

CODE 722: Drilled Table D / AS 2129:

Other drillings available on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BACKING RING – TABLE D AS 2129

CODE	TO SUIT PIPE SIZE	ID MM	A MM	B MM	DN	PCD MM	NO OF HOLES	HOLE MM
R03.415.015	DN 15 S1	34	95	6	15	67	4	14
R03.415.020	DN 20 S1	40	100	6	20	73	4	14
R03.415.025	DN 25 S1	48	115	6	25	83	4	14
R03.415.032	DN 32 S1	58	120	6	32	87	4	14
R03.415.040	DN 40 S1	64	135	6	40	98	4	14
R03.415.050	DN 50 S1	79	150	8	50	114	4	18
R03.415.065	DN 65 S1	92	165	8	65	127	4	18
R03.415.080	DN 80 S1	112	185	8	80	146	4	18
R03.415.100	DN 100 S1	139	215	8	100	178	4	18
R03.415.125	DN 125 S1	167	255	10	125	210	8	18
R03.415.150	DN 150 S1	196	280	10	150	235	8	18
R13.415.225	DN 200 S1	258	335	10	200	292	8	18
R13.415.250	DN 225 S1	310	405	20	250	356	8	22
R13.415.315	DN 300 S1	366	455	20	300	406	12	22
R13.415.355	DN 350 S1	420	525	20	350	470	12	26
R13.415.400	*DN 375 S1	454	580	20	*400	521	12	26

When connecting abs systems to other systems please note variation between abs system 'DN' designation and as 2129 'DN' designation

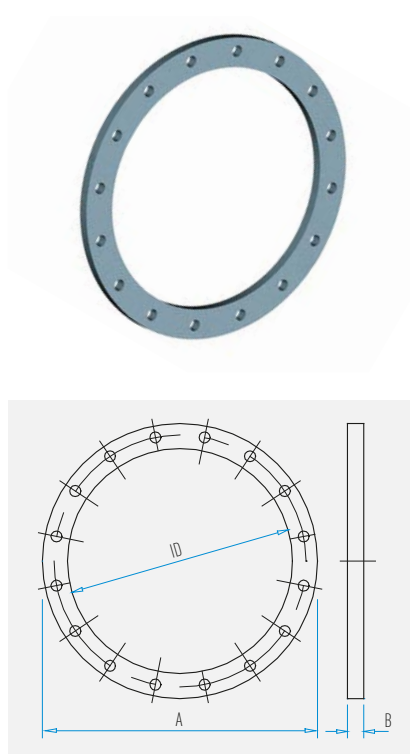
Standard material: Hot dipped galvanised mild steel to AS/NZS 4680:

Available in stainless steel on request: CODE 422

Other drillings available on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BACKING RING – TABLE E AS 2129

CODE	TO SUIT PIPE SIZE	ID MM	A MM	B MM	DN	PCD MM	NO OF HOLES	HOLE MM
R03.416.015	DN 15 S1	34	95	6	15	67	4	14
R03.416.020	DN 20 S1	40	100	6	20	73	4	14
R03.416.025	DN 25 S1	48	115	6	25	83	4	14
R03.416.032	DN 32 S1	58	120	6	32	87	4	14
R03.416.040	DN 40 S1	64	135	6	40	98	4	14
R03.416.050	DN 50 S1	79	150	8	50	114	4	18
R03.416.065	DN 65 S1	92	165	8	65	127	4	18
R03.416.080	DN 80 S1	112	185	8	80	146	4	18
R03.416.100	DN 100 S1	139	215	8	100	178	8	18
R03.416.125	DN 125 S1	167	255	10	125	210	8	18
R03.416.150	DN 150 S1	196	280	10	150	235	8	22
R13.416.225	DN 200 S1	258	335	10	200	292	8	22
R13.416.250	DN 225 S1	310	405	20	250	356	12	22
R13.416.315	DN 300 S1	366	455	20	300	406	12	26
R13.416.355	DN 350 S1	420	525	20	350	470	12	26
R13.416.400	*DN 375 S1	454	580	20	*400	521	12	26

When connecting abs systems to other systems please note variation between abs system 'DN' designation and as 2129 'DN' designation

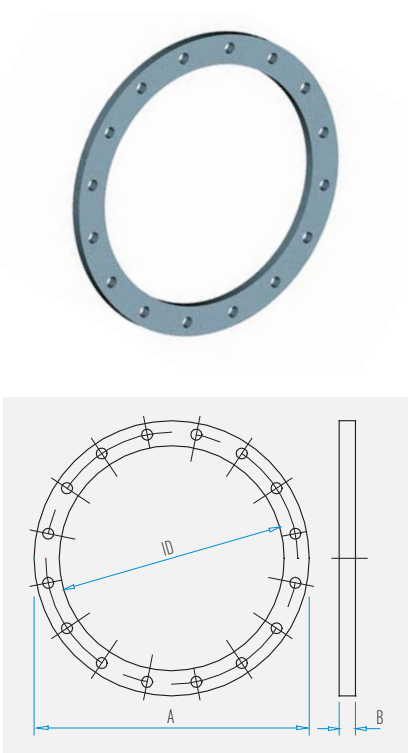
Standard material: Hot dipped galvanised mild steel to AS/NZS 4680:

Available in stainless steel on request: CODE 420

Other drillings available on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



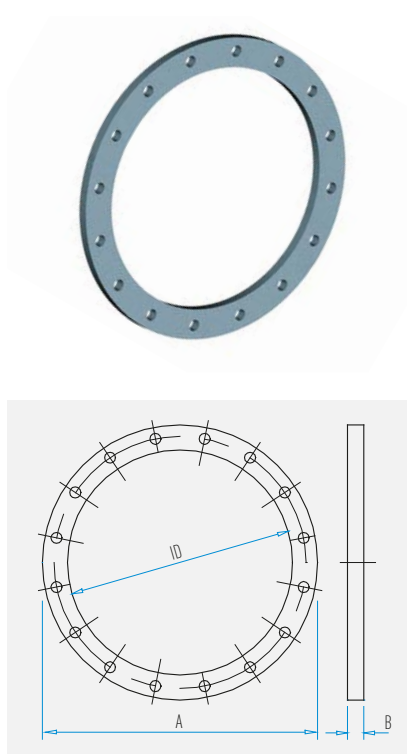
BACKING RING – ANSI150

CODE	TO SUIT PIPE SIZE	ID MM	A MM	B MM	DN	PCD MM	NO OF HOLES	HOLE MM
R03.425.015	DN 15 S1	34	95	6	15	60	4	15
R03.425.020	DN 20 S1	40	100	6	20	70	4	15
R03.425.025	DN 25 S1	48	115	6	25	79	4	15
R03.425.032	DN 32 S1	58	120	6	32	89	4	15
R03.425.040	DN 40 S1	64	135	6	40	98	4	15
R03.425.050	DN 50 S1	79	150	8	50	121	4	18
R03.425.065	DN 65 S1	92	165	8	65	140	4	18
R03.425.080	DN 80 S1	112	185	8	80	152	4	18
R03.425.100	DN 100 S1	139	215	8	100	191	8	18
R03.425.125	DN 125 S1	167	255	10	125	216	8	21
R03.425.150	DN 150 S1	196	280	10	150	241	8	21
R13.425.225	DN 200 S1	258	335	10	200	298	8	21
R13.425.250	DN 225 S1	310	405	20	250	362	12	25
R13.425.315	DN 300 S1	366	455	20	300	432	12	25
R13.425.355	DN 350 S1	420	525	20	350	476	12	28
R13.425.400	DN 375 S1	454	580	20	400	540	16	30

Standard Material: Hot dipped galvanised mild steel to AS/NZS 4680:
Available in stainless steel on request: CODE 430
Other drillings available on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BACKING RING - JIS10K

CODE	TO SUIT PIPE SIZE	ID MM	A MM	B MM	DN	PCD MM	NO OF HOLES	HOLE MM
R03.413.015	DN 15 S1	34	95	6	15	70	4	14
R03.413.020	DN 20 S1	40	100	6	20	75	4	14
R03.413.025	DN 25 S1	48	125	6	25	90	4	18
R03.413.032	DN 32 S1	58	135	6	32	100	4	18
R03.413.040	DN 40 S1	64	140	6	40	105	4	18
R03.413.050	DN 50 S1	79	155	8	50	120	4	18
R03.413.065	DN 65 S1	92	175	8	65	140	4	18
R03.413.080	DN 80 S1	112	185	8	80	150	8	18
R03.413.100	DN 100 S1	139	210	8	100	175	8	18
R03.413.125	DN 125 S1	167	250	10	125	210	8	22
R03.413.150	DN 150 S1	196	280	10	150	240	8	22
R13.413.225	DN 200 S1	258	330	10	200	290	12	22
R13.413.250	DN 225 S1	310	400	20	250	355	12	24
R13.413.315	DN 300 S1	366	445	20	300	400	16	24
R13.413.355	DN 350 S1	420	490	20	350	445	16	24
R13.413.400	*DN 375 S1	454	560	20	*400	510	16	26

When connecting abs systems to other systems please note variation between abs system 'DN' designation and jis 10k 'DN' designation

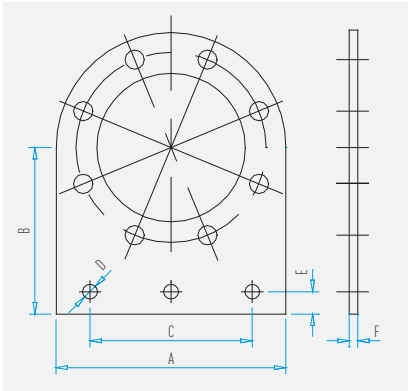
Standard Material: Hot dipped galvanised mild steel to AS/NZS 4680:

Available in stainless steel on request: CODE 445

Other drillings available on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



VALVE SUPPORT PLATE

CODE	TO SUIT PIPE SIZE	A MM	B MM	C MM	D MM	E MM	F MM
R03.***.015	DN 15 S1	95	86	51	14	16	8
R03.***.020	DN 20 S1	100	89	76	14	16	8
R03.***.025	DN 25 S1	115	95	76	14	16	8
R03.***.032	DN 32 S1	120	99	76	14	16	8
R03.***.040	DN 40 S1	135	105	76	14	16	8
R03.***.050	DN 50 S1	150	127	102	14	22	8
R03.***.065	DN 65 S1	165	143	115	14	22	8
R03.***.080	DN 80 S1	185	143	126	14	22	8
R03.***.100	DN 100 S1	215	159	152	14	22	8
R03.***.125	DN 125 S1	255	185	190	14	30	10
R03.***.150	DN 150 S1	280	216	230	18	33	10
R13.***.225	DN 200 S1	335	248	280	18	33	10
R13.***.250	DN 225 S1	405	298	340	22	40	12
R13.***.315	DN 300 S1	455	348	390	22	40	12

Standard Material: Hot dipped galvanised mild steel to AS/NZS 4680

Code 460: Drilled Table E / AS 2129:

Code 465: Drilled Table D / AS 2129:

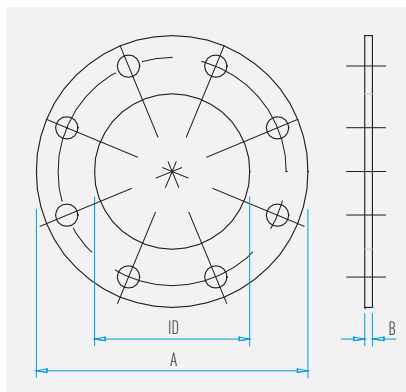
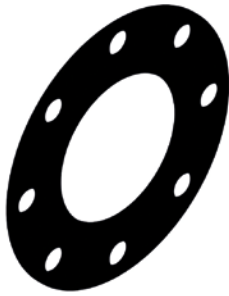
Code 470: Drilled to ANSI 150

Other drillings available on request

Available in stainless steel on request.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



GASKET – FULL FACE STYLE

CODE	SIZE	ID MM	A MM	B MM
R04.***.015	DN 15 S1	22	95	3
R04.***.020	DN 20 S1	28	100	3
R04.***.025	DN 25 S1	35	115	3
R04.***.032	DN 32 S1	43	120	3
R04.***.040	DN 40 S1	49	135	3
R04.***.050	DN 50 S1	61	150	3
R04.***.080	DN 80 S1	90	185	3
R04.***.100	DN 100 S1	115	215	3
R04.***.150	DN 150 S1	169	280	3
R14.***.225	DN 200 S1	226	335	8
R14.***.250	DN 225 S1	251	405	8
R14.***.315	DN 300 S1	316	455	8
R14.***.355	DN 350 S1	356	535	8
R14.***.400	DN 375 S1	401	580	8

See notes and drilling details
on pages 3.39, 3.40, 3.41, 3.42

Standard Material: EPDM. Other materials are
available on request

Code 409: Drilled Table D* / AS 2129:

Code 410: Drilled Table E* / AS 2129:

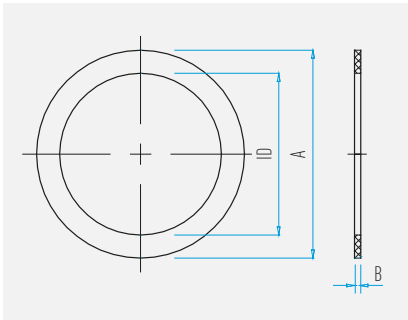
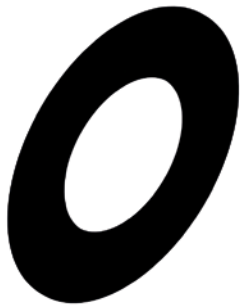
Code 426: Drilled to ANSI 150*

Other drillings available on request.



ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS

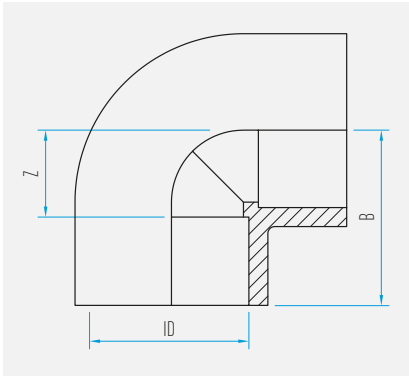
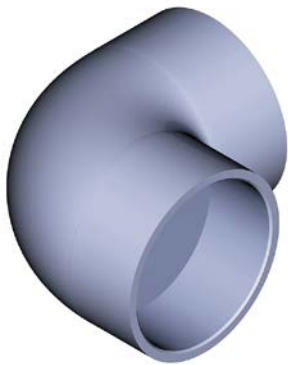


GASKET – STUB FLANGE STYLE – EPDM

CODE	SIZE	ID MM	A MM	B MM
R04.431.050	DN 50 S1	61	97	3
R04.431.065	DN 65 S1	76	105	3
R04.431.080	DN 80 S1	90	129	3
R04.431.100	DN 100 S1	115	161	3
R04.431.125	DN 125 S1	141	187	3
R04.431.150	DN 150 S1	169	214	3

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



ELBOW 90°

CODE	SIZE	ID MM	B MM	Z MM	PN RATING
R01.115.015	DN 15 S1	21	31	11	15
R01.115.020	DN 20 S1	27	36	14	15
R01.115.025	DN 25 S1	34	43	18	15
R01.115.032	DN 32 S1	42	51	22	15
R01.115.040	DN 40 S1	48	56	25	15
R01.115.050	DN 50 S1	60	69	32	15
R01.115.065	DN 65 S1	75	83	39	15
R01.115.080	DN 80 S1	89	102	50	15
R01.115.100	DN 100 S1	114	147	71	15
R01.115.125	DN 125 S1	140	180	96	15
R01.115.150	DN 150 S1	168	180	88	15
R11.115.225	DN 200 S1	225	235	116	12
R11.115.250V	DN 225 S1	250	258	127	12
R11.115.315V	DN 300 S1	315	322	158	12
R11.115.355R	DN 350 S1	355	507	323	9
R11.115.400V	DN 375 S1	400	507	300	9

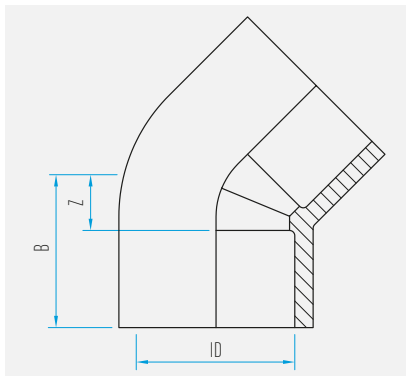
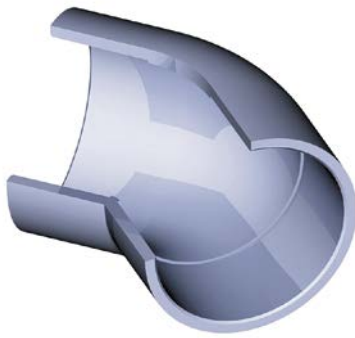
Elbow DN 350 is manufactured from elbow DN 375 fitted with DN 375 - DN 350 reducing bushes.

For DN 200 and above, elbows with higher pressure ratings are available.

They are manufactured from abs layered with glass reinforced epoxy and are designed and manufactured in accordance with duraflo internal quality and manufacturing procedures and specifications and type tested at 3.2 times the design pressure.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



ELBOW 45°

CODE	SIZE	ID MM	B MM	Z MM	PN RATING
R01.119.015	DN 15 S1	21	27	7	15
R01.119.020	DN 20 S1	27	30	8	15
R01.119.025	DN 25 S1	34	35	10	15
R01.119.032	DN 32 S1	42	42	13	15
R01.119.040	DN 40 S1	48	45	14	15
R01.119.050	DN 50 S1	60	54	17	15
R01.119.065	DN 65 S1	75	61	17	15
R01.119.080	DN 80 S1	89	74	21	15
R01.119.100	DN 100 S1	114	94	28	15
R01.119.125	DN 125 S1	140	107	31	15
R01.119.150	DN 150 S1	168	132	40	15
R11.119.225V	DN 200 S1	225	171	52	12
R11.119.250V	DN 225 S1	250	190	58	12
R11.119.315V	DN 300 S1	315	232	68	12
R11.119.355R	DN 350 S1	355	294	110	9
R11.119.400V	DN 375 S1	400	294	87	9

Elbow DN 350 is manufactured from elbow DN 375 fitted with DN 375 – DN 350 reducing bushes.

For DN 200 and above, elbows with higher pressure ratings are available.

They are manufactured from abs layered with glass reinforced epoxy and are designed and manufactured in accordance with duraflo internal quality and manufacturing procedures and specifications and type tested at 3.2 times the design pressure.

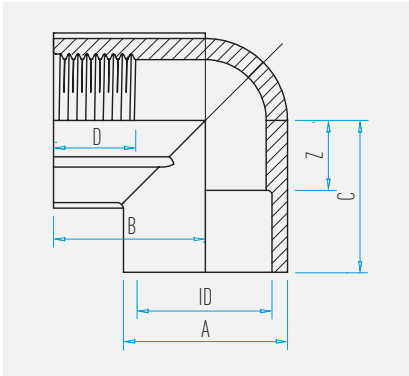
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



FAUCET ELBOW 90°

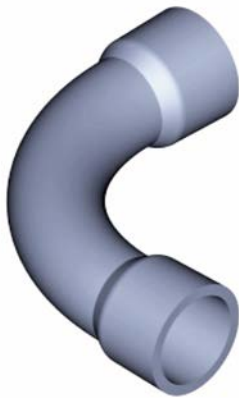
CODE	SIZE		A MM	B MM	C MM	D MM	ID MM	Z MM	PN RATING
	SW SOCKET	THREADED							
R01.116.015	DN 15 S1	½" BSP	29	29	31	18	21	11	15
R01.116.020	DN 20 S1	¾" BSP	35	35	36	21	27	14	15
R01.116.025	DN 25 S1	1" BSP	44	42	43	24	34	18	15
R01.116.020015	DN 20 S1	½" BSP	35	32	36	18	27	14	15



Complies with AS/NZS 3518.

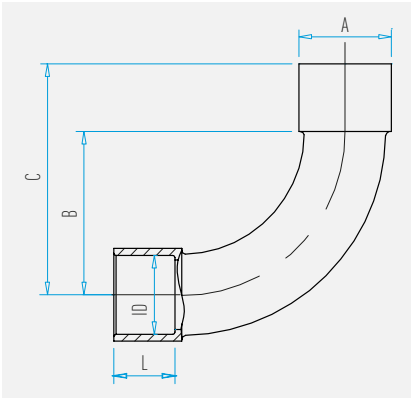
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



MOULDED BEND 90°

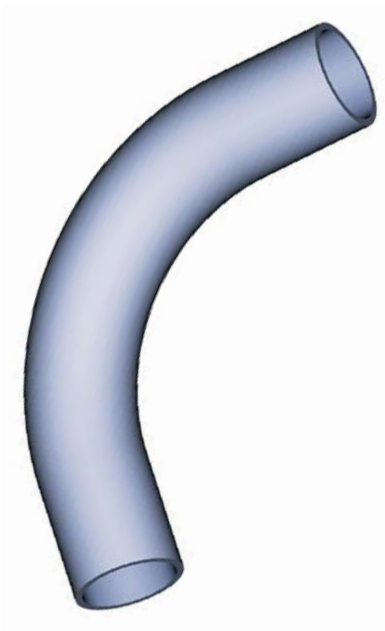
CODE	SIZE	ID MM	A MM	B MM	C MM	L MM	PN RATING
R01.118.015	DN 15 S1	21	29	40	58	20	15
R01.118.020	DN 20 S1	27	35	50	71	22	15
R01.118.025	DN 25 S1	34	43	64	88	25	15
R01.118.032	DN 32 S1	42	54	80	109	29	15
R01.118.040	DN 40 S1	48	64	100	131	31	15
R01.118.050	DN 50 S1	60	76	126	163	37	15
R01.118.065	DN 65 S1	75	93	150	195	44	15
R01.118.080	DN 80 S1	89	113	180	231	53	15
R01.118.100	DN 100 S1	114	137	220	284	65	15



Complies with AS/NZS 3518.

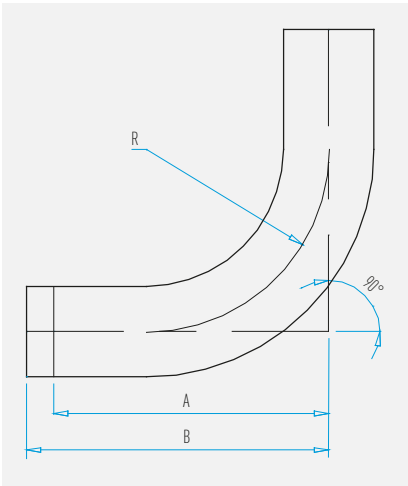
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BEND 90° SHORT RADIUS – R = 2.5D (SP-SP)

CODE	SIZE	A MM	B MIN MM	PN RATING
R01.308150.050	DN 50 S1 PN 15	208	251	15
R01.308150.065	DN 65 S1 PN 15	252	288	15
R01.308150.080	DN 80 S1 PN 15	295	327	15
R01.308150.100	DN 100 S1 PN 15	371	416	15
R01.308150.125	DN 125 S1 PN 15	447	503	15
R01.308150.150	DN 150 S1 PN 15	532	604	15
R11.308090.225	DN 200 S1 PN 9	800	947	9
R11.308090.250	DN 225 S1 PN 9	887	960	9
R11.308090.315	DN 300 S1 PN 9	1115	1215	9
R11.308090.355	DN 350 S1 PN 9	1255	1355	9
R11.308090.400	DN 375 S1 PN 9	1411	1511	9



A = minimum leg length

Manufacturing tolerances apply

Other angles are available upon request

The following additional bend pressure ratings are available upon request:

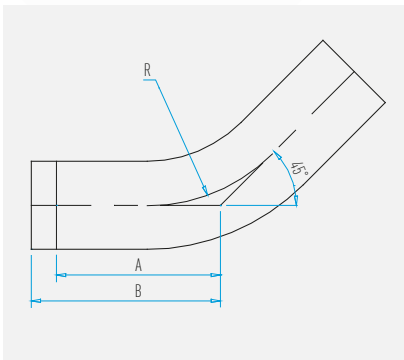
- All sizes CODE 308045
- All sizes CODE 308060
- DN 50 to DN 150 CODE 308120

Higher pressure rated bends are available with glass reinforced epoxy and are supplied complete with sockets at both ends. They are designed and manufactured in accordance with duraflo internal quality and manufacturing procedures and specifications and type tested at 3.2 times the design pressure

Bends supplied plain ended, require sockets or stub & backing ring for joining.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BEND 45° SHORT RADIUS - R = 2.5D (SP-SP)

CODE	SIZE	A MM	B MIN MM	PN RATING
R01.312150.050	DN 50 S1 PN 15	119	212	15
R01.312150.065	DN 65 S1 PN 15	142	254	15
R01.312150.080	DN 80 S1 PN 15	165	267	15
R01.312150.100	DN 100 S1 PN 15	203	318	15
R01.312150.125	DN 125 S1 PN 15	241	385	15
R01.312150.150	DN 150 S1 PN 15	286	434	15
R11.312120.225	DN 200 S1 PN 12	471	753	12
R11.312120.250	DN 225 S1 PN 12	521	839	12
R11.312120.315	DN 300 S1 PN 12	654	936	12
R11.312120.355	DN 350 S1 PN 12	736	1083	12
R11.312120.400	DN 375 S1 PN 12	826	1214	12

A = minimum leg length

Manufacturing tolerances apply

Other angles are available upon request

The following additional bend pressure ratings are available upon request:

PN 4.5 CODE 312045

PN 6 CODE 312060

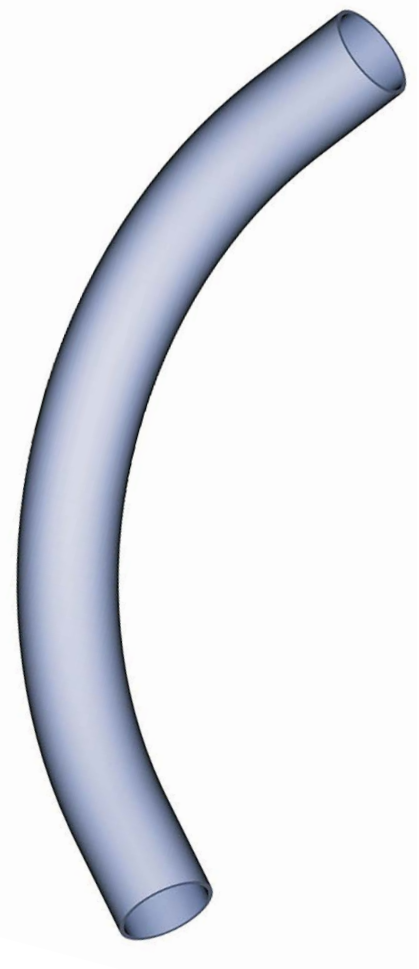
PN 9 CODE 312090

Larger diameter bends are supplied with glass reinforced epoxy and are supplied complete with sockets at both ends. They are designed and manufactured in accordance with duraflo internal quality and manufacturing procedures and specifications and type tested at 3.2 times the design pressure

Bends supplied plain ended, require sockets or stub & backing ring for joining.

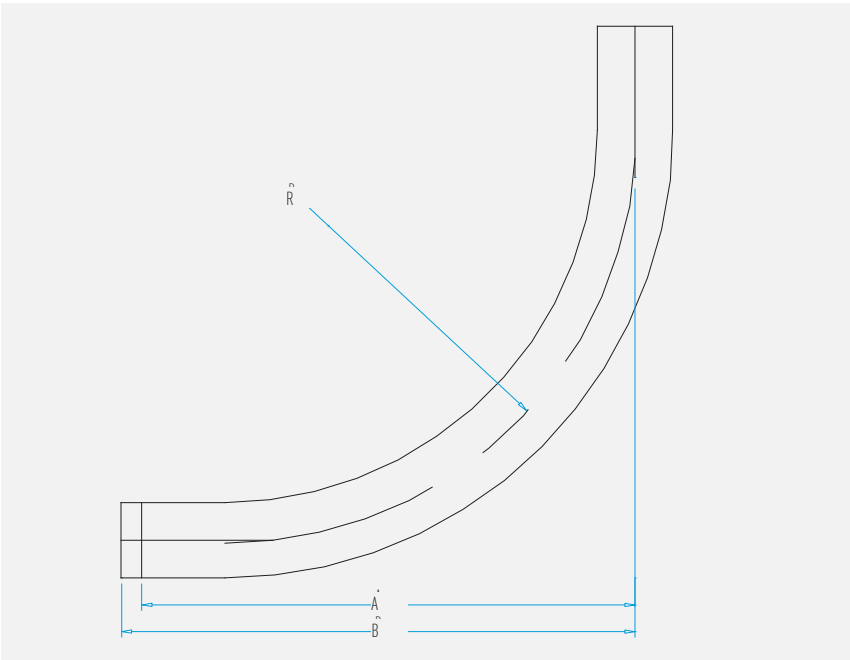
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BEND 90° LONG RADIUS – R = 5D (SP-SP)

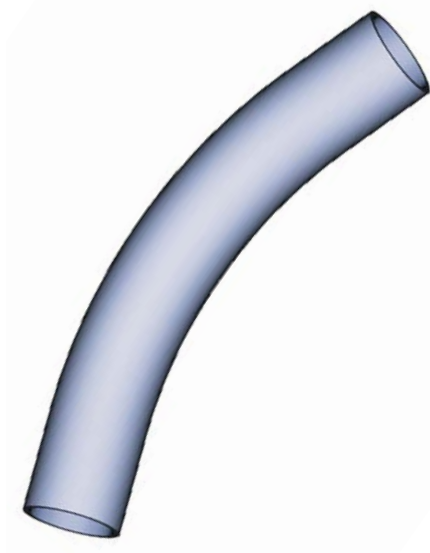
CODE	SIZE	A MM	B MIN MM	PN RATING
R01.309150.050	DN 50 S1 PN 15	357	570	15
R01.309150.065	DN 65 S1 PN 15	439	845	15
R01.309150.080	DN 80 S1 PN 15	523	870	15
R01.309150.100	DN 100 S1 PN 15	655	950	15
R01.309150.125	DN 125 S1 PN 15	796	970	15
R01.309150.150	DN 150 S1 PN 15	952	1165	15
R11.309120.225	DN 200 S1 PN 12	1264	1495	12
R11.309120.250	DN 225 S1 PN 12	1401	1615	12
R11.309120.315	DN 300 S1 PN 12	1758	2024	12
R11.309120.355	DN 350 S1 PN 12	1978	2274	12
R11.309120.400	DN 375 S1 PN 12	2226	2600	12



A = Minimum Leg Length
Manufacturing tolerances apply
Other angles and pressure ratings
are available upon request
Bends supplied plain ended, require sockets
or stub & backing ring for joining.

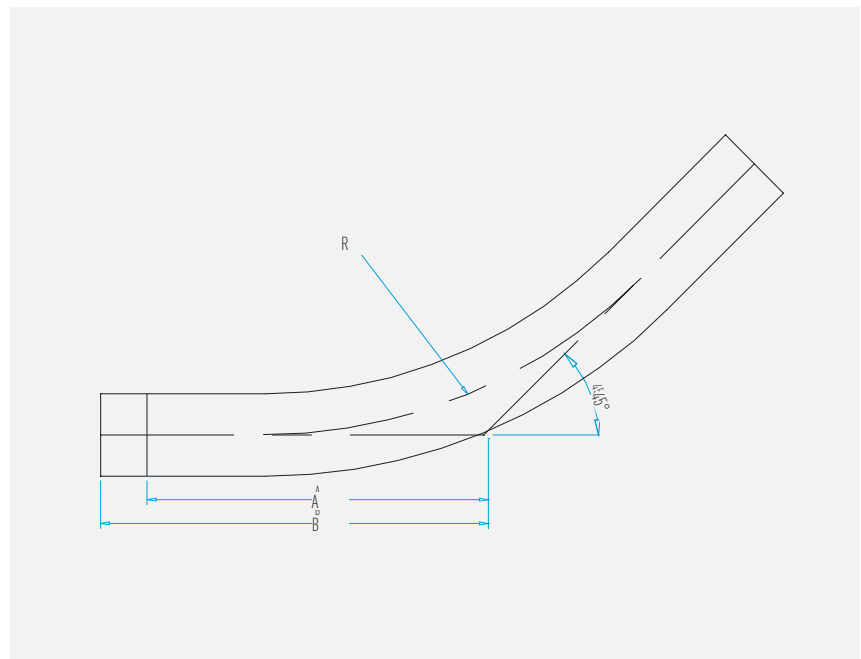
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BEND 45° LONG RADIUS – R = 5D (SP-SP)

CODE	SIZE	A MM	B MIN MM	PN RATING
R01.310150.050	DN 50 S1 PN 15	181	514	15
R01.310150.065	DN 65 S1 PN 15	219	756	15
R01.310150.080	DN 80 S1 PN 15	259	776	15
R01.310150.100	DN 100 S1 PN 15	321	806	15
R01.310150.125	DN 125 S1 PN 15	386	830	15
R01.310150.150	DN 150 S1 PN 15	460	968	15
R11.310120.225	DN 200 S1 PN 12	605	1276	12
R11.310120.250	DN 225 S1 PN 12	668	1357	12
R11.310120.315	DN 300 S1 PN 12	836	1622	12
R11.310120.355	DN 350 S1 PN 12	939	1870	12
R11.310120.400	DN 375 S1 PN 12	1054	2078	12



A = Minimum Leg Length

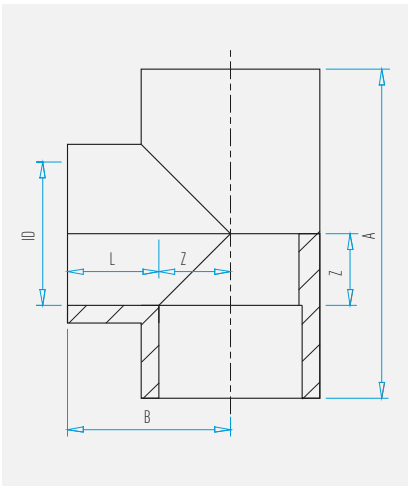
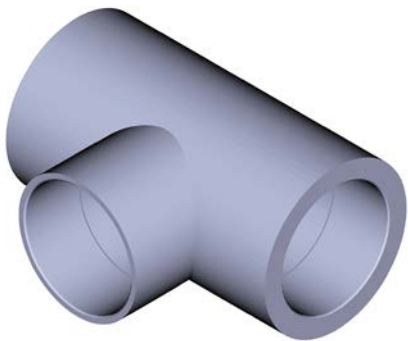
Manufacturing tolerances apply

Other angles and pressure ratings
are available upon request

Bends supplied plain ended, require sockets
or stub & backing ring for joining.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



EQUAL TEE (SO-SO x SO)

CODE	SIZE	ID MM	A MM	B MM	L MM	Z MM	TYPE	PN RATING
R01.122.015	DN 15 S1	21	63	31	20	11	M	15
R01.122.020	DN 20 S1	27	72	36	22	14	M	15
R01.122.025	DN 25 S1	34	85	43	25	18	M	15
R01.122.032	DN 32 S1	42	102	51	29	22	M	15
R01.122.040	DN 40 S1	48	112	56	31	25	M	15
R01.122.050	DN 50 S1	60	137	69	37	32	M	15
R01.122.065	DN 65 S1	75	166	83	44	39	M	15
R01.122.080	DN 80 S1	89	204	102	53	49	M	15
R01.122.100	DN 100 S1	114	258	129	65	64	M	15
R01.122.125	DN 125 S1	140	298	149	76	73	F	15
R01.122.150	DN 150 S1	168	360	180	92	88	M	15
R11.122.225V	DN 200 S1	225	463	232	119	113	M	12
R11.122.250V	DN 225 S1	250	526	263	131	132	M	12
R11.122.315V	DN 300 S1	315	644	322	164	158	M	12
R11.122.355	DN 350 S1	355	840	420	184	236	F	6
R11.122.400V	DN 375 S1	400	840	420	206	214	M	6

Complies with AS/NZS 3518

Tee DN 350 is manufactured from tee DN 375 fitted with DN 375 - DN 350 reducing bushes

For DN 200 and above, tees with higher pressure ratings are available

They are manufactured from ABS layered with glass reinforced epoxy and are designed and manufactured in accordance with duraflo internal quality and manufacturing procedures and specifications and type tested at 3.2 times the design pressure.

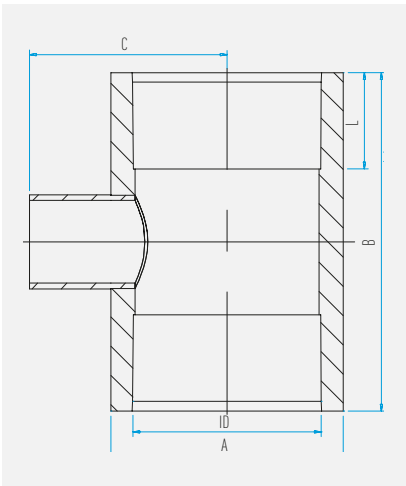
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



REDUCING TEE – SPIGOT OFFTAKE (SO-SO x SP)

CODE	SIZE	ID MM	A MM	B MM	C MM	L MM	PN RATING
R11.120.225150	DN 200–DN 150	225	315	500	250	120	12
R11.120.250150	DN 225–DN 150	250	339	500	325	131	12
R11.120.315225	DN 300–DN 200	315	400	650	375	164	12
R11.120.355250	DN 350–DN 225	355	450	720	450	184	12
R11.120.400250	DN 375–DN 225	400	500	800	450	206	12



Complies with AS/NZS 3518

Maximum allowable spigot diameter is shown

Reducers to smaller diameter spigots are available upon request.

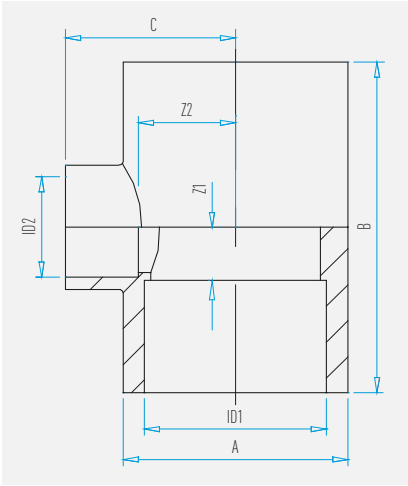
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



REDUCING TEE – SOCKET OFFTAKE (SO-SO x SO)

CODE	SIZE	A MM	B MM	C MM	ID1 MM	ID2 MM	Z1 MM	Z2 MM	PN RATING
R01.122.020015	DN 20-DN 15	33	67	34	27	21	12	14	15
R01.122.025015	DN 25-DN 15	41	73	38	34	21	12	18	15
R01.122.025020	DN 25-DN 20	41	78	40	34	27	14	18	15
R01.122.040025	DN 40-DN 25	59	97	50	48	34	18	25	15
R01.122.050025	DN 50-DN 25	74	109	56	60	34	18	31	15
R01.122.050040	DN 50-DN 40	74	125	62	60	48	26	31	15



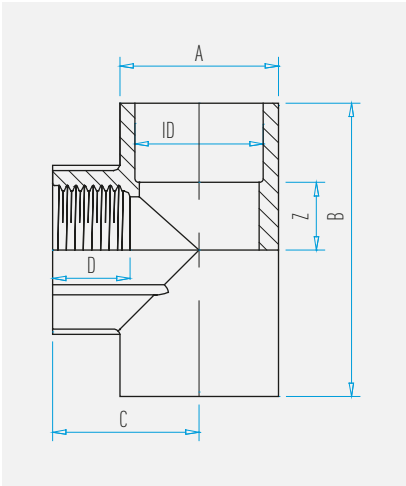
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



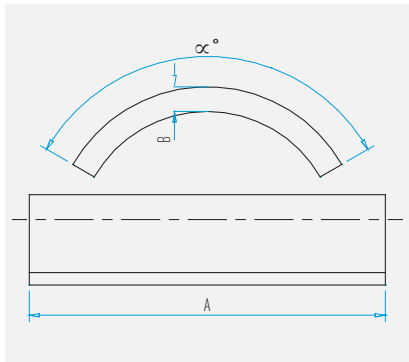
TEE - THREADED OFFTAKE (SO-SO x TH)

CODE	SIZE		ID MM	A MM	B MM	C MM	D MM	Z MM	PN RATING
	SW SOCKET	THREADED							
R01.121.015	DN 15 S1	½" BSP	21	29	63	29	18	11	15
R01.121.020015	DN 20 S1	½" BSP	27	35	67	32	18	12	15
R01.121.020	DN 20 S1	¾" BSP	27	44	72	35	21	14	15
R01.121.025015	DN 25 S1	½" BSP	34	35	73	35	18	12	15
R01.121.025	DN 25 S1	1" BSP	34	44	85	42	24	18	15



ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



SADDLE STRIPS

CODE	SIZE	DEGREE	A	D MM
R01.146.080	DN 80 S1	120°	300	½"
R01.146.100	DN 100 S1	120°	300	1"
R01.146.125	DN 125 S1	120°	300	1"
R01.146.150	DN 150 S1	120°	300	1¼"
R11.146.225	DN 200 S1	60°	300	1¼"
R11.146.250	DN 225 S1	60°	300	1½"
R11.146.315	DN 300 S1	60°	300	1½"
R11.146.355	DN 350 S1	60°	300	1½"
R11.146.400	DN 375 S1	60°	300	1½"

Complies with AS/NZS 3518.

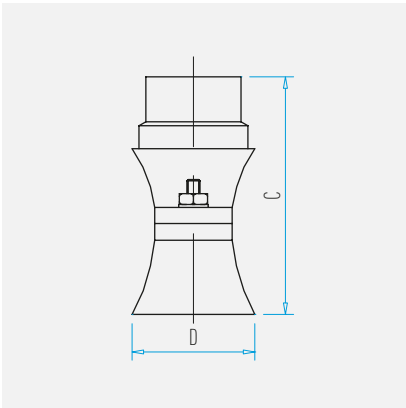
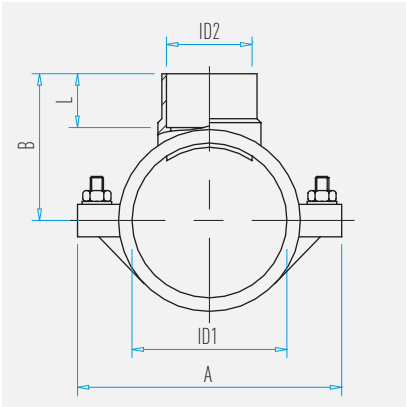
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



TAPPING SADDLES

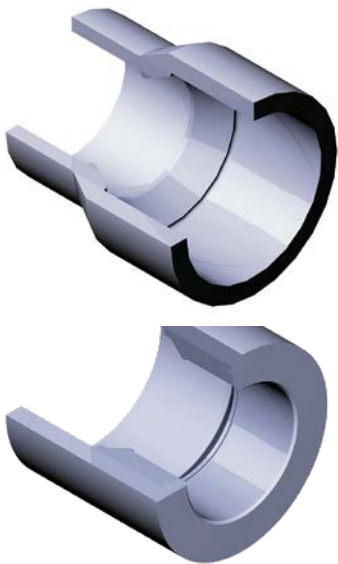
CODE	SIZE MAIN	OFFTAKE	A MM	B MM	ID1 MM	ID2 MM	C MM	D MM	L MM	PN RATING
R01.127.080050	DN 80 S1	DN 50 S1	150	96	89	60	145	90	37	12
R01.127.100050	DN 100 S1	DN 50 S1	175	108	114	60	170	100	37	12



D = Maximum size of the threaded tapping
Saddle strip supplied with stainless steel straps.

ABS SYSTEMS FITTINGS

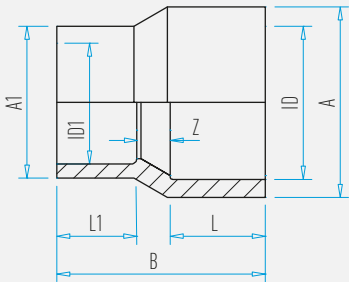
FOR INDUSTRIAL APPLICATIONS



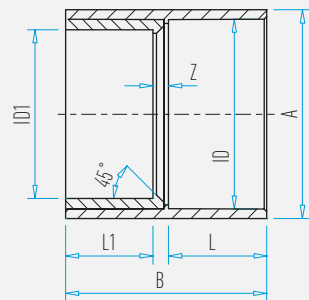
REDUCING COUPLER

CODE	SIZE	A MM	A1 MM	B MM	ID MM	ID1 MM	L MM	L1 MM	Z MM	TYPE	PN RATING
R01.114.020015	DN 20 - DN 15 S1	34	27	46	27	21	22	20	4	M	15
R01.114.025015	DN 25 - DN 15 S1	42	27	52	34	21	25	20	7	M	15
R01.114.025020	DN 25 - DN 20 S1	42	34	52	34	27	25	22	5	M	15
R01.114.032025	DN 32 - DN 25 S1	52	43	64	42	34	29	25	10	M	15
R01.114.040025	DN 40 - DN 25 S1	59	43	71	48	34	31	25	15	M	15
R01.114.040032	DN 40 - DN 32 S1	59	52	68	48	42	31	29	8	M	15
R01.114.050040	DN 50 - DN 40 S1	74	62	81	60	48	37	31	13	M	15
R01.114.065050	DN 65 - DN 50 S1	93	94	94	75	60	44	37	9	F	15
R01.114.080050	DN 80 - DN 50 S1	110	74	112	89	60	53	37	23	M	15
R01.114.080065	DN 80 - DN 65 S1	110	112	112	89	75	53	44	17	F	15
R01.114.100080	DN 100 - DN 80 S1	134	108	133	114	89	65	53	29	M	15
R01.114.125100	DN 125 - DN 100 S1	173	165	165	140	114	76	65	32	F	9
R01.114.150100	DN 150 - DN 100 S1	204	141	204	168	114	92	65	51	M	15
R01.114.150125	DN 150 - DN 125 S1	204	192	192	168	140	92	76	19	F	15
R11.114.225150	DN 200 - DN 150 S1	247	-	246	225	168	119	92	35	F	12
R11.114.225195	DN 200 - DN 195 S1	247	-	246	225	219	119	116	20	F	12
R11.114.250225	DN 225 - DN 200 S1	275	-	271	250	225	131	119	21	F	12
R11.114.315250	DN 300 - DN 225 S1	344	-	357	315	250	164	131	39	F	12
R11.114.355315	DN 350 - DN 300 S1	388	-	377	355	315	184	164	26	F	9
R11.114.400355	DN 375 - DN 350 S1	440	-	423	400	355	206	184	30	F	9

MOULDED



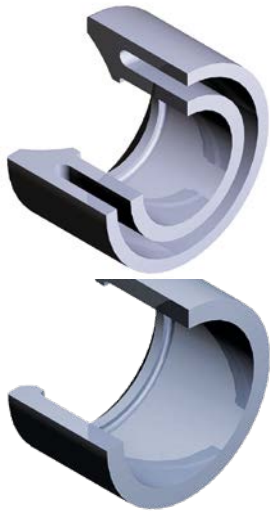
FABRICATED



Complies with AS/NZS 3518.

ABS SYSTEMS FITTINGS

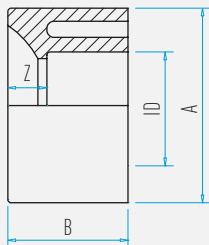
FOR INDUSTRIAL APPLICATIONS



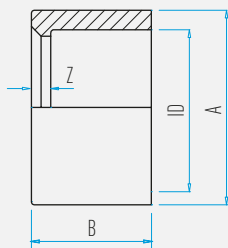
REDUCING BUSH

CODE	SIZE	ID MM	A MM	B MM	Z MM	PN RATING
R01.109.020015	DN 20 - DN 15 S1	21	27	22	2	15
R01.109.025015	DN 25 - DN 15 S1	21	34	25	5	15
R01.109.025020	DN 25 - DN 20 S1	27	34	25	3	15
R01.109.032015	DN 32 - DN 15 S1	21	42	29	9	15
R01.109.032020	DN 32 - DN 20 S1	27	42	29	7	15
R01.109.032025	DN 32 - DN 25 S1	34	42	29	4	15
R01.109.040015	DN 40 - DN 15 S1	21	48	31	11	15
R01.109.040020	DN 40 - DN 20 S1	27	48	31	9	15
R01.109.040025	DN 40 - DN 25 S1	34	48	31	6	15
R01.109.040032	DN 40 - DN 32 S1	42	48	31	2	15
R01.109.050025	DN 50 - DN 25 S1	34	60	37	12	15
R01.109.050032	DN 50 - DN 32 S1	42	60	37	8	15
R01.109.050040	DN 50 - DN 40 S1	48	60	37	6	15
R01.109.065050	DN 65 - DN 50 S1	60	75	44	8	15
R01.109.080020	DN 80 - DN 20 S1	27	89	52	30	15
R01.109.080040	DN 80 - DN 40 S1	48	89	52	21	15
R01.109.080050	DN 80 - DN 50 S1	60	89	52	15	15
R01.109.080065	DN 80 - DN 65 S1	75	89	52	6	15
R01.109.100050	DN 100 - DN 50 S1	60	114	64	28	15
R01.109.100080	DN 100 - DN 80 S1	89	114	64	13	15
R01.109.125100	DN 125 - DN 100 S1	114	140	83	20	15
R01.109.150100	DN 150 - DN 100 S1	114	168	92	27	15
R01.109.150125	DN 150 - DN 125 S1	140	168	92	7	15
R11.109.225150	DN 200 - DN 150 S1	168	225	120	29	12
R11.109.250225	DN 225 - DN 200 S1	225	250	131	12	12
R11.109.315250	DN 300 - DN 225 S1	250	315	164	33	12
R11.109.355315	DN 350 - DN 300 S1	315	355	184	20	12
R11.109.400355	DN 375 - DN 350 S1	355	400	206	22	12

TYPE A

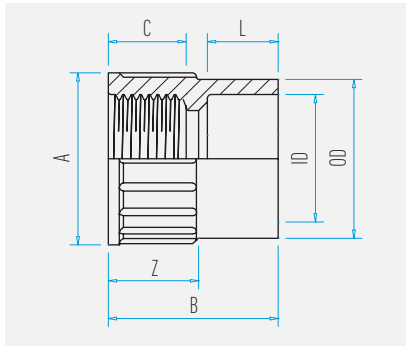


TYPE B



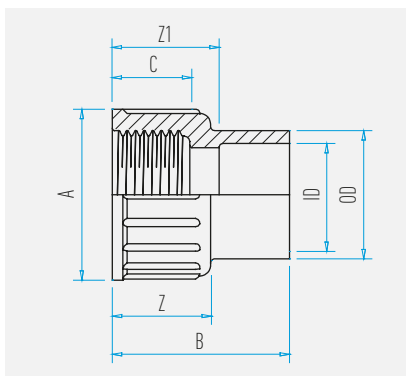
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



FAUCET SOCKET – PLAIN THREADED SOCKET

CODE	SIZE SW SOCKET	THREAD	SPIGOT	A MM	B MM	C MM	ID MM	L MM	OD MM	Z MM	PN RATING
R01.101.015	DN 15 S1	½" BSP	DN 20 S1	32	41	18	21	20	27	19	15
R01.101.020	DN 20 S1	¾" BSP	DN 25 S1	38	47	21	27	22	34	22	15
R01.101.025	DN 25 S1	1" BSP	DN 32 S1	47	54	24	34	25	42	25	15
R01.101.032	DN 32 S1	1½" BSP	-	57	61	28	42	29	-	-	15
R01.101.040	DN 40 S1	1½" BSP	DN 50 S1	65	66	28	48	31	60	29	15
R01.101.050	DN 50 S1	2" BSP	-	80	73	31	60	37	-	-	15



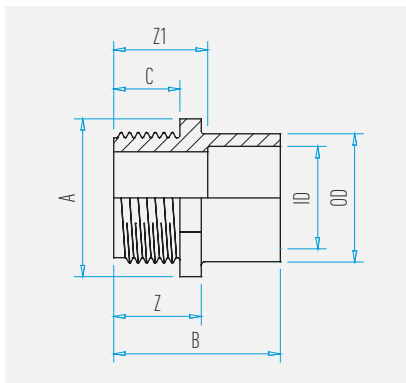
FAUCET ADAPTOR – FEMALE

CODE	SIZE SW SOCKET	THREAD	SPIGOT	A MM	B MM	C MM	ID MM	OD MM	Z MM	Z1 MM	PN RATING
R01.153.015	DN 15 S1	½" BSP	-	32	42	18	-	21	22	-	15
R01.153.020	DN 20 S1	¾" BSP	DN 15 S1	38	47	21	21	27	25	27	15
R01.153.025	DN 25 S1	1" BSP	DN 20 S1	47	53	24	27	34	28	31	15
R01.153.032	DN 32 S1	1½" BSP	DN 25 S1	57	63	28	34	42	34	38	15
R01.153.040	DN 40 S1	1½" BSP	-	65	65	28	-	48	34	-	15
R01.153.050	DN 50 S1	2" BSP	DN 40 S1	80	76	31	48	60	39	43	15

Complies with AS/NZS 3518.

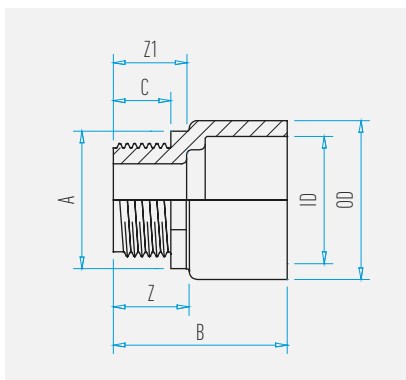
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



VALVE ADAPTOR - PLAIN THREADED NIPPLE

CODE	SIZE SW SPIGOT	THREAD	SW SPIGOT	A MM	B MM	C MM	ID MM	OD MM	Z1 MM	Z MM	PN RATING
R01.107.015	DN 15 S1	½"	-	27	41	15	-	21	-	21	15
R01.107.020	DN 20 S1	¾"	DN 15 S1	36	46	17	21	27	26	24	15
R01.107.025	DN 25 S1	1"	DN 20 S1	43	51	19	27	34	29	26	15
R01.107.032	DN 32 S1	1¼"	DN 25 S1	52	59	22	34	42	34	30	15
R01.107.040	DN 40 S1	1½"	-	59	62	22	-	48	-	31	15
R01.107.050	DN 50 S1	2"	DN 40 S1	74	73	26	48	60	36	36	15



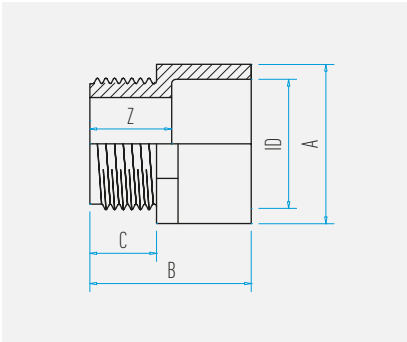
VALVE ADAPTOR - PLAIN THREADED NIPPLE

CODE	SIZE SW SPIGOT	THREAD	SW SPIGOT	A MM	B MM	C MM	ID MM	OD MM	Z1 MM	Z MM	PN RATING
R01.107.020015	DN 20 S1	½"	DN 15 S1	27	43	15	21	27	19	21	15
R01.107.025015	DN 25 S1	½"	DN 20 S1	27	47	15	27	34	25	22	15
R01.107.025020	DN 25 S1	¾"	DN 20 S1	36	49	17	27	34	27	24	15
R01.107.032025	DN 32 S1	1"	DN 25 S1	43	55	19	34	42	30	26	15
R01.107.040025	DN 40 S1	1"	-	43	58	19	-	48	-	27	15
R01.107.040032	DN 40 S1	1¼"	-	52	61	22	-	48	-	30	15
R01.107.050025	DN 50 S1	1"	DN 25 S1	43	64	19	48	60	33	27	15
R01.107.050040	DN 50 S1	1½"	DN 40 S1	59	68	22	48	60	27	31	15

Complies with AS/NZS 3518.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



VALVE SOCKET – MALE ADAPTOR

CODE	SIZE SW SOCKET	THREAD	A MM	B MM	C MM	ID MM	Z MM	PN RATING
R01.151.015	DN 15 S1	½" BSP	27	38	15	21	18	15
R01.151.020	DN 20 S1	¾" BSP	34	42	17	27	20	15
R01.151.025	DN 25 S1	1" BSP	43	49	19	34	24	15
R01.151.032	DN 32 S1	1¼" BSP	52	56	22	42	27	15
R01.151.040	DN 40 S1	1½" BSP	59	58	22	48	27	15
R01.151.050	DN 50 S1	2" BSP	74	70	26	60	33	15
R01.151.080	DN 80 S1	3" BSP	107	95	31	89	46	12
R01.151.100	DN 100 S1	4" BSP	129	110	39	114	55	12

Complies with AS/NZS 3518.

ABS SYSTEMS FITTINGS

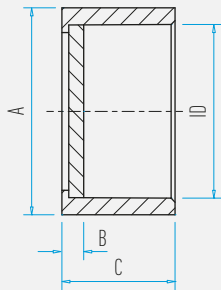
FOR INDUSTRIAL APPLICATIONS



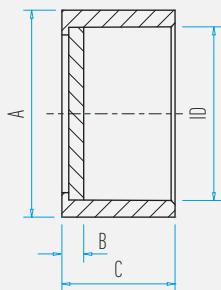
CAP

CODE	SIZE	ID MM	A MM	B MM	C MM	TYPE	PN RATING
R01.140.015	DN 15 S1	21	27	9	29	M	15
R01.140.020	DN 20 S1	27	33	11	33	M	15
R01.140.025	DN 25 S1	34	41	14	39	M	15
R01.140.032	DN 32 S1	42	52	17	46	M	15
R01.140.040	DN 40 S1	48	59	20	51	M	15
R01.140.050	DN 50 S1	60	74	24	61	M	15
R01.140.065	DN 65 S1	75	106	35	79	F*	12
R01.140.080	DN 80 S1	89	106	28	79	M	12
R01.140.100	DN 100 S1	114	132	33	95	M	12
R01.140.125	DN 125 S1*	140	192	61	130	F*	12
R01.140.150	DN 150 S1	168	192	42	130	M	12
R11.140.225	DN 200 S1	225	262	30	150	F	9
R11.140.250	DN 225 S1	250	280	35	166	F	9
R11.140.315	DN 300 S1	315	355	35	199	F	9

FABRICATED



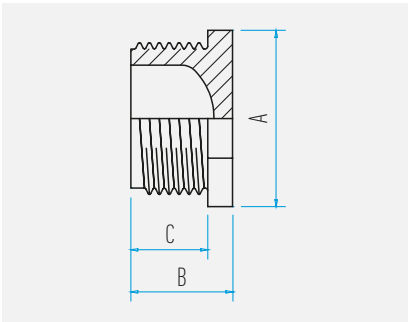
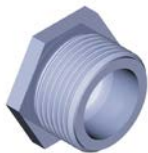
MOULDED



*Cap DN 125 is manufactured from cap DN 150 and DN 150 – DN 125 reducing bush.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



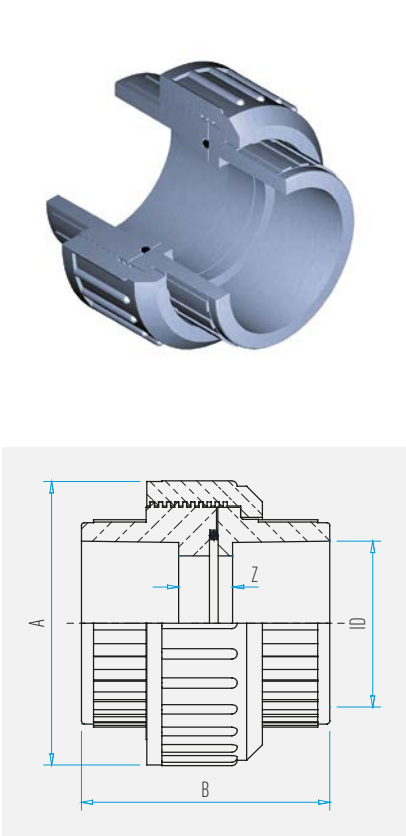
THREADED PLUG

CODE	SIZE	THREAD	A MM	B MM	C MM	PN RATING
R01.155.015	DN 15 S1	½" BSP	27	21	15	15
R01.155.020	DN 20 S1	¾" BSP	33	23	16	15
R01.155.025	DN 25 S1	1" BSP	41	26	19	15
R01.155.032	DN 32 S1	1¼" BSP	51	30	22	15
R01.155.040	DN 40 S1	1½" BSP	58	31	22	15
R01.155.050	DN 50 S1	2" BSP	71	36	26	15

Complies with AS/NZS 3518.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



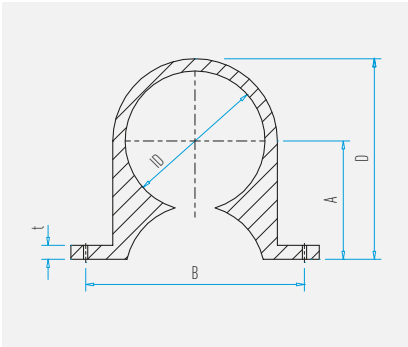
SOCKET UNION

CODE	SIZE	A MM	B MM	ID MM	Z MM	PN RATING
R01.205.015K	DN 15 S1	35	43	21	10	15
R01.205.020K	DN 20 S1	43	47	27	12	15
R01.205.025K	DN 25 S1	60	59	34	12	15
R01.205.032K	DN 32 S1	74	70	42	12	15
R01.205.040K	DN 40 S1	83	73	48	12	15
R01.205.050K	DN 50 S1	103	86	60	12	15
R01.205.080K	DN 80 S1	158	114	89	12	15
R01.205.100K	DN 100 S1	182	142	114	14	15

Seals Material: EPDM
Complies with AS3518.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



SADDLE CLIP

CODE	SIZE	ID MM	A MM	B MM	C MM	D MM	t MM
R05.455.015	DN 15 S1	21	13	37	14	27	3
R05.455.020	DN 20 S1	27	18	41	14	34	3
R05.455.025	DN 25 S1	34	21	45	16	42	4
R05.455.032	DN 32 S1	42	29	65	16	54	4
R05.455.040	DN 40 S1	48	34	67	16	61	5
R05.455.050	DN 50 S1	60	38	87	22	73	5
R05.455.080	DN 80 S1	89	50	122	34	99	5
R05.455.100	DN 100 S1	114	65	156	38	127	5

C = Clip Thickness
Material: Black Polypropylene.

ABS SYSTEMS FITTINGS

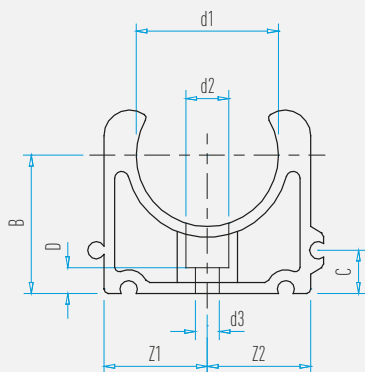
FOR INDUSTRIAL APPLICATIONS



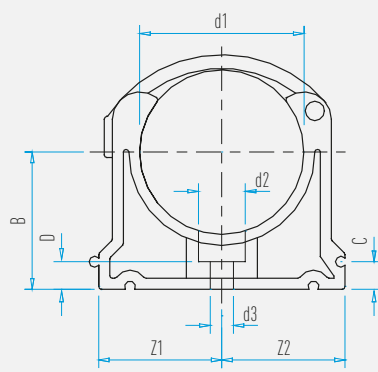
PIPE CLIP

CODE	SIZE	B MM	C MM	D MM	d1 MM	d2 MM	d3 MM	Z1 MM	Z2 MM	TYPE
R05.434.015	DN 15 S1	25.5	10	6	21	10.5	5.5	16.5	19	B
R05.434.020	DN 20 S1	28.5	10	6	27	10.5	5.5	19	21.5	B
R05.434.025	DN 25 S1	32	10	6	34	10.5	5.5	24	26.5	B
R05.434.032	DN 32 S1	36	10	6.5	42	14	6.5	33.5	33.5	C
R05.434.040	DN 40 S1	39	10	6.5	48	14	6.5	37	37	C
R05.434.050	DN 50 S1	50	10	10	60	17	8.5	44.5	44.5	C
R05.434.080	DN 80 S1	105	-	15	89	-	9	89	71	C
R05.434.100	DN 100 S1	120	-	15	114	-	9	99	81	C
R05.434.150	DN 150 S1	147	-	20	169	-	11	136	111	F

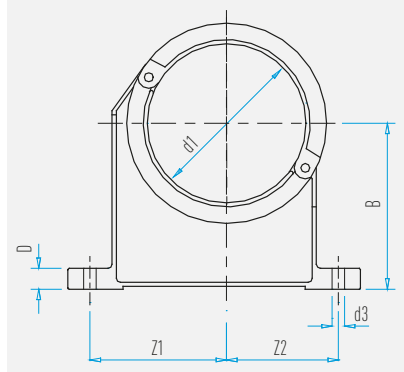
TYPE B



TYPE C



TYPE F

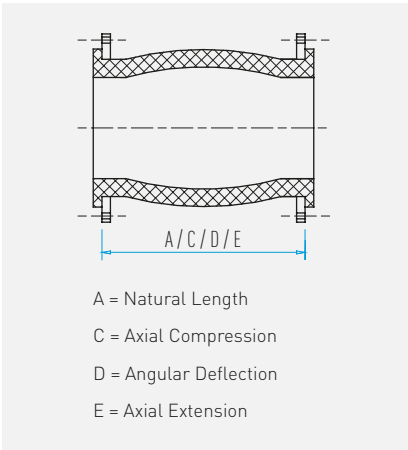


Sizes up to DN 375 available on request

Material: Black Polypropylene.

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



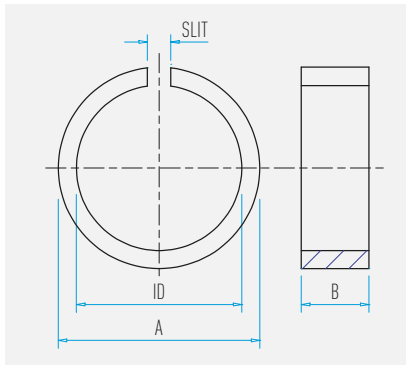
RUBBER EXPANSION JOINT

CODE	SIZE	A MM	C MM	D	E MM	PN RATING
R04.452.032	DN 32 S1	95	8	15°	4	15
R04.452.040	DN 40 S1	95	8	15°	4	15
R04.452.050	DN 50 S1	105	8	15°	5	15
R04.452.080	DN 80 S1	130	12	15°	6	15
R04.452.100	DN 100 S1	135	18	15°	10	15
R04.452.150	DN 150 S1	180	18	15°	10	15
R14.452.225	DN 200 S1	205	25	15°	14	15
R14.452.250	DN 225 S1	240	25	15°	14	15
R14.452.315	DN 300 S1	260	25	15°	14	15
R14.452.355	DN 350 S1	265	25	15°	14	9
R14.452.400	DN 375 S1	265	25	15°	14	9

Flanges supplied are zinc plated
Galvanised available on request.

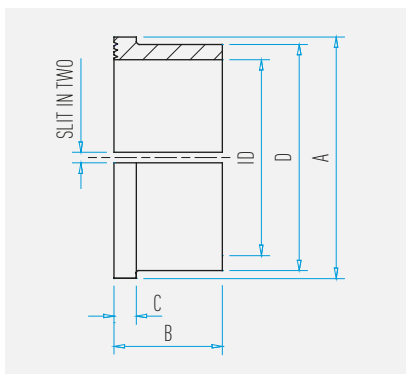
ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



ANCHOR SLEEVE

CODE	SIZE	ID MM	A MM	B MM
R01.272.050	DN 50 S1	60	74	40
R01.272.065	DN 65 S1	76	89	40
R01.272.080	DN 80 S1	89	104	50
R01.272.100	DN 100 S1	115	140	60
R01.272.125	DN 125 S1	141	168	75
R01.272.150	DN 150 S1	169	208	90
R11.272.225	DN 200 S1	227	250	120
R11.272.250	DN 225 S1	251	275	120
R11.272.315	DN 300 S1	316	344	120
R11.272.355	DN 350 S1	356	390	120
R11.272.400	DN 375 S1	401	450	120

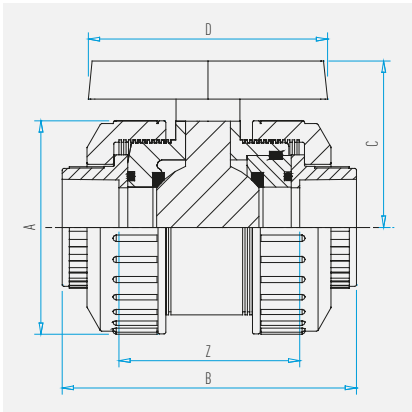
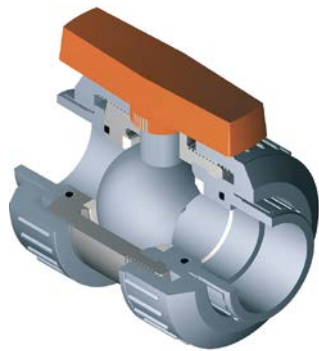
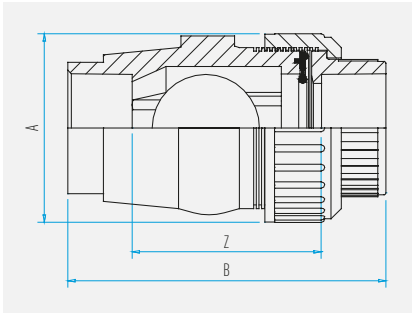


ANCHOR FLANGE

SIZE	CODE	ID MM	A MM	B MM	C MM	D MM
DN 50 S1	R01.137.050	61	96	40	14	74
DN 65 S1	R01.137.065	76	106	47	10	90
DN 80 S1	R01.137.080	90	127	57	18	118
DN 100 S1	R01.137.100	115	159	70	20	134
DN 125 S1	R01.137.125	141	187	84	14	165
DN 150 S1	R01.137.150	169	214	100	24	192
DN 200 S1	R11.137.225	226	271	144	35	247
DN 225 S1	R11.137.250	251	334	191	70	305
DN 300 S1	R11.137.315	317	376	224	70	362
DN 350 S1	R11.137.355	357	440	244	70	415
DN 375 S1	R11.137.400	402	488	306	110	450

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



BALL CHECK VALVE SINGLE UNION

CODE	SIZE	A MM	B MM	Z MM	PN RATING
R01.***.015K	DN 15 S1	48	95	62	15
R01.***.020K	DN 20 S1	59	112	73	15
R01.***.025K	DN 25 S1	69	124	79	15
R01.***.032K	DN 32 S1	96	148	94	15
R01.***.040K	DN 40 S1	96	148	88	15
R01.***.050K	DN 50 S1	103	177	105	15
R01.***.080K	DN 80 S1	178	215	114	9

*** CODE 836 - EPDM SEALS

*** CODE 838 - FPM SEALS

BALL VALVE DOUBLE UNION

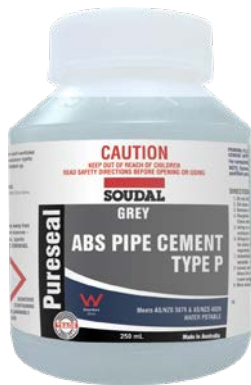
CODE	SIZE	A MM	B MM	C MM	D MM	Z MM	PN RATING
R01.***.015K	DN 15 S1	51	101	48	81	67	15
R01.***.020K	DN 20 S1	63	119	65	87	79	15
R01.***.025K	DN 25 S1	73	134	69	101	86	15
R01.***.032K	DN 32 S1	105	161	88	127	101	15
R01.***.040K	DN 40 S1	105	160	88	127	98	15
R01.***.050K	DN 50 S1	135	191	108	151	118	15
R01.***.080K	DN 80 S1	182	260	138	191	158	15
R01.***.100K	DN 100 S1	217	314	165	241	187	15

*** CODE 880 - EPDM SEALS

*** CODE 882 - FPM SEALS

ABS SYSTEMS FITTINGS

FOR INDUSTRIAL APPLICATIONS



ABS SOLVENT CEMENT

CODE	CAN SIZE LITRES
R01.461.025A	0.25
R01.461.100A	1
R01.461.400A	4

ABS CLEANER/PRIMER

CODE	CAN SIZE LITRES
R01.463.025A	0.25
R01.463.100A	1
R01.463.400A	4

SOLVENT CEMENT USAGE*

SIZE	SOLVENT WELD JOINTS PER LITRE**
DN 50 S1	135
DN 80 S1	45
DN 100 S1	35
DN 125 S1	20
DN 150 S1	20
DN 200 S1	10
DN 225 S1	4
DN 300 S1	4
DN 350 S1	3
DN 375 S1	2
DN 400 S1	1
DN 450 S1	1
DN 500 S1	0.5
DN 575 S1	0.5
DN 650 S1	0.3
DN 750 S1	0.3

* The usage of ABS Primer is approximately 50% that of ABS cement

** A socket counts as 2 joints, a tee as 3 joints, etc

GRP
SYSTEMS

FIBERSTRONG® GRP SYSTEMS

FEATURES AND BENEFITS

FIBERSTRONG® non-restrained pipe and joint are Fiberglass Reinforced Plastic (FRP) flexible corrosion resistant pipe system intended for underground use*. It consists of a Thermosetting Chemical resistant polyester resin, Fiberglass Reinforcements and fine Silica sand aggregates to BS EN 1796 / BS EN 14364 / AWWA C-950. Large diameter pipes are available in nominal diameters ranging from 80 to 4000 mm. Available standard pressure classes are PN1, 3, 6, 10, 12, 16, 20 and 25 and stiffness classes of 2,500, 5,000 and 10,000 N/m².

* With special engineering procedures the pipes can also be used for above ground installation.

CONSTRUCTION

The pipe consists of a resin-rich reinforced liner, structural wall and a resin-rich exterior layer. "C" glass is used at the internal and external pipe surfaces.

USE AND APPLICATION

FIBERSTRONG® FRP pipe is suitable for underground use in potable water, raw water, seawater and corrosive environments including sanitary sewage, and many industrial effluents with a temperature range of -40 °C to +50 °C. All industrial pipe applications must be approved by Future Pipe Industries.

APPLICABLE CODES/STANDARDS

STANDARDS	MAIN APPLICATIONS
ASTM D-3262	Standard Specification for "Fiberglass" (Fiber Reinforced Thermosetting-Resin) Sewer Pipe
ASTM D-3517	Standard Specification for "Fiberglass" (Fiber Reinforced Thermosetting-Resin) Pressure Pipe
ASTM D-3754	Standard Specification for "Fiberglass" (Fiber Reinforced Thermosetting-Resin) Sewer and Industrial Pressure Pipe
AWWA C-950	Fiberglass Pressure Pipe
AWWA M-45	Fiberglass Pipe Design Manual
BS EN 1796	Plastics Piping Systems for Water Supply With or Without Pressure – Fiber-Reinforced Thermosetting Plastics (FRP) Based on Unsaturated Polyester Resin (UP).
BS EN 14364	Plastics Piping Systems for Drainage and Sewerage With or Without Pressure – Fiber-Reinforced Thermosetting Plastics (FRP) Based on Unsaturated Polyester Resin (UP) – Specifications for Pipes, Fittings and Joints.
AS 3571	Glass Filament Reinforced Thermosetting Plastics (GRP) pipes - Polyester based - Water Supply, Sewerage and Drainage applications.

FEATURES AND BENEFITS

FEATURES	BENEFITS
Manufactured with corrosion resistant composite material.	– Long, effective service life. – No need for expensive cathodic protection. – No need for costly pipe coating, wrapping, lining, painting, or use of polyethylene wraps. – Low maintenance costs. – Hydraulic characteristics essentially remain unchanged over time.
Double bell coupling joints manufactured with corrosion resistant glass fiber and sealed with elastomeric gaskets.	– Ease of jointing helps reduce installation time. Tight, efficient joints designed to eliminate infiltration and ex-filtration. – Costly joint diapers are not required. – Allows for flexible alignment, accommodating changes in line direction with fewer fittings.
Light weight. 1/4 the weight of ductile iron and 1/10 of concrete pipe.	– Easy to install. – Low delivery costs. No need for expensive handling equipment.
Manufactured in long sections up to 12m.	– Fewer joints reduce installation time.
Extremely smooth bore.	– Low friction loss means less pumping energy needed. – Minimum slime build up can help lower cleaning costs.
Pipe specifications meet or exceed worldwide standards.	– Assures high quality product specifications. Easy for engineers to specify FIBERSTRONG® pipe with confidence.
High technology pipe manufacturing system.	– Helps ensure consistent product quality worldwide.

GRP SYSTEMS

GRP DOUBLE BELL COUPLING



2.75M GRP DOUBLE BELL COUPLING - PN1

CODE	DESCRIPTION	SIZE
1478420	Fiberstrong FW-GRP Pipe, DN300, Double bell coupling	DN300
1478421	Fiberstrong FW-GRP Pipe, DN375, Double bell coupling	DN375
1478422	Fiberstrong FW-GRP Pipe, DN450, Double bell coupling	DN450
1478423	Fiberstrong FW-GRP Pipe, DN525, Double bell coupling	DN525
1478424	Fiberstrong FW-GRP Pipe, DN600, Double bell coupling	DN600
1478425	Fiberstrong FW-GRP Pipe, DN675, Double bell coupling	DN675
1478426	Fiberstrong FW-GRP Pipe, DN750, Double bell coupling	DN750
1478427	Fiberstrong FW-GRP Pipe, DN900, Double bell coupling	DN900
1478428	Fiberstrong FW-GRP Pipe, DN1000, Double bell coupling	DN1000
1478429	Fiberstrong FW-GRP Pipe, DN1200, Double bell coupling	DN1200

2.75M GRP DOUBLE BELL COUPLING - PN6

CODE	DESCRIPTION	SIZE
1478434	Fiberstrong FW-GRP Pipe, DN300, Double bell coupling	DN300
1478435	Fiberstrong FW-GRP Pipe, DN375, Double bell coupling	DN375
1478436	Fiberstrong FW-GRP Pipe, DN450, Double bell coupling	DN450
1478437	Fiberstrong FW-GRP Pipe, DN525, Double bell coupling	DN525
1478438	Fiberstrong FW-GRP Pipe, DN600, Double bell coupling	DN600
1478439	Fiberstrong FW-GRP Pipe, DN675, Double bell coupling	DN675
1478440	Fiberstrong FW-GRP Pipe, DN750, Double bell coupling	DN750
1478441	Fiberstrong FW-GRP Pipe, DN900, Double bell coupling	DN900
1478442	Fiberstrong FW-GRP Pipe, DN1000, Double bell coupling	DN1000
1478443	Fiberstrong FW-GRP Pipe, DN1200, Double bell coupling	DN1200

All pipe lengths are SN10,000. Pipe lengths of 5.75M and 11.75M also available on request.

GRP SYSTEMS

GRP DOUBLE BELL COUPLING



2.75M GRP DOUBLE BELL COUPLING - PN10

CODE	DESCRIPTION	SIZE
1478448	Fiberstrong FW-GRP Pipe, DN300, Double bell coupling	DN300
1478449	Fiberstrong FW-GRP Pipe, DN375, Double bell coupling	DN375
1478450	Fiberstrong FW-GRP Pipe, DN450, Double bell coupling	DN450
1478451	Fiberstrong FW-GRP Pipe, DN525, Double bell coupling	DN525
1478452	Fiberstrong FW-GRP Pipe, DN600, Double bell coupling	DN600
1478453	Fiberstrong FW-GRP Pipe, DN675, Double bell coupling	DN675
1478454	Fiberstrong FW-GRP Pipe, DN750, Double bell coupling	DN750
1478455	Fiberstrong FW-GRP Pipe, DN900, Double bell coupling	DN900
1478456	Fiberstrong FW-GRP Pipe, DN1000, Double bell coupling	DN1000
1478457	Fiberstrong FW-GRP Pipe, DN1200, Double bell coupling	DN1200

2.75M GRP DOUBLE BELL COUPLING - PN16

CODE	DESCRIPTION	SIZE
1478462	Fiberstrong FW-GRP Pipe, DN300, Double bell coupling	DN300
1478463	Fiberstrong FW-GRP Pipe, DN375, Double bell coupling	DN375
1478464	Fiberstrong FW-GRP Pipe, DN450, Double bell coupling	DN450
1478465	Fiberstrong FW-GRP Pipe, DN525, Double bell coupling	DN525
1478466	Fiberstrong FW-GRP Pipe, DN600, Double bell coupling	DN600
1478467	Fiberstrong FW-GRP Pipe, DN675, Double bell coupling	DN675
1478468	Fiberstrong FW-GRP Pipe, DN750, Double bell coupling	DN750
1478469	Fiberstrong FW-GRP Pipe, DN900, Double bell coupling	DN900
1478470	Fiberstrong FW-GRP Pipe, DN1000, Double bell coupling	DN1000
1478471	Fiberstrong FW-GRP Pipe, DN1200, Double bell coupling	DN1200

All pipe lengths are SN10,000. Pipe lengths of 5.75M and 11.75M also available on request.

GRP SYSTEMS

GRP JOINTS

JOINTS

DOUBLE BELL REKA COUPLINGS

FIBERSTRONG® pipes and fittings are jointed using Double Bell Reka Couplings. The sealing of the joints is achieved by the compression of two rubber gaskets when the joint is assembled.

ALTERNATIVE JOINTING SYSTEMS

- a) In certain applications Pipe sections may be laminated* together utilizing an external (and internal) lay-up "butt-strap" consisting of layers of fiberglass mats and/or tapes impregnated with polyester resin. The strength of the lay-up exceeds the pipe wall strength.
- b) Mechanical couplings manufactured by Straub, Teekay, Dresser, VJ or equivalent may be used for jointing to different pipe materials. Refer to section SPIGOT OUTSIDE DIAMETER for FIBERSTRONG® pipe O.D's.
- c) FRP flanges drilled to any standard dimensions requested by client, such as ANSI, DIN, ISO, etc...

* Laminated pipes may have different design if lamination is intended to avoid thrust blocks.

GRP MASONRY CONNECTOR

CODE	DESCRIPTION	SIZE
1478588	Fiberstrong Masonry Connector, DN300, SN10000	DN300
1478589	Fiberstrong Masonry Connector, DN375, SN10000	DN375
1478590	Fiberstrong Masonry Connector, DN450, SN10000	DN450
1478591	Fiberstrong Masonry Connector, DN525, SN10000	DN525
1478592	Fiberstrong Masonry Connector, DN600, SN10000	DN600
1478593	Fiberstrong Masonry Connector, DN675, SN10000	DN675
1478594	Fiberstrong Masonry Connector, DN750, SN10000	DN750
1478595	Fiberstrong Masonry Connector, DN900, SN10000	DN900
1478596	Fiberstrong Masonry Connector, DN1000, SN10000	DN1000
1478597	Fiberstrong Masonry Connector, DN1200, SN10000	DN1200

GRP END CAP

CODE	DESCRIPTION	SIZE
1478602	Fiberstrong End Cap, DN300, SN10000	DN300
1478603	Fiberstrong End Cap, DN375, SN10000	DN375
1478604	Fiberstrong End Cap, DN450, SN10000	DN450
1478605	Fiberstrong End Cap, DN525, SN10000	DN525
1478606	Fiberstrong End Cap, DN600, SN10000	DN600
1478607	Fiberstrong End Cap, DN675, SN10000	DN675
1478608	Fiberstrong End Cap, DN750, SN10000	DN750
1478609	Fiberstrong End Cap, DN900, SN10000	DN900
1478610	Fiberstrong End Cap, DN1000, SN10000	DN1000
1478611	Fiberstrong End Cap, DN1200, SN10000	DN1200

All pipe lengths are SN10,000. Others available on request.

HOBAS

GRP JACKING PIPE

FEATURES AND BENEFITS

HOBAS GRP Pipe Systems are made of chopped glass fibers, thermosetting plastics such as for example unsaturated polyester or vinylester resins, and reinforcing agents. These components are enveloped by the resins that create a bond between them. In a rotating mold, the pipe wall is built up layer by layer from the outside inwards.

Once all the materials have been fed into the mold, the speed of rotation is increased. High centrifugal forces up to 75 g press them against the mold wall. Any trapped gas is fully vented and the raw materials are condensed to a maximum, creating a high quality, very solid and void free pipe wall. This centrifugal casting process ensures that the pipes are circular, the wall thickness is uniform over the entire length at exact outer diameter, and the material displays the high longitudinal compressive strength that is particularly important for jacking.

Thanks to the three-dimensional chemical bonding of the thermosetting resin, the pipe retains its stability even in very warm environments. One of the benefits of composite material technology is that the pipe's strength properties can be customized to suit the specific load directions required.

The sandwich construction of the wall thus ensures that HOBAS Pipes can also withstand high loading without any trouble and boast a particularly long service life. Nothing but the best for our customers!

MATERIAL PROPERTIES & OUTER DIAMETER

The composite used for HOBAS Products has the following properties

(for specific project-related values, please contact our technical service):

MATERIAL PROPERTIES	
Density	2,000 kg/m ³
Circumferential flexural modulus	10,000 - 15,000 MPa
Flexural strain at break, long-term (strain corrosion test pH 0.1 and pH 10)	min. 1%
Axial compressive strength	> 90 MPa

OUTER DIAMETERS (D _e) AVAILABLE IN MM*					
272	530	860	1348	1937	2999
324	550	924	1434	2047	3270
376	616	960	1499	2160	3600
401	650	1026	1535	2250	
427	718	1099	1638	2400	
478	752	1229	1720	2453	
501	820	1280	1842	2555	

* Other diameters on request

Given their high stiffness and smooth outer surface, HOBAS Jacking Pipes are also suitable for very long drives. Over 900 m have for example been jacked with HOBAS Pipes D_e 3000.

HOBAS Jacking Pipes are produced in standard lengths of 1, 2, 3 and 6 m (tolerances to company standards). Other pipe lengths can also be supplied on request.

GRP JACKING PIPE

GRP PIPES



HOBAS GRP JACKING PIPE – SN128

CODE	DESCRIPTION	SIZE
1478016	HOBAS J/PIPE OD376 PN1 SN128 2M/SS CPL	DN250
1478019	HOBAS J/PIPE OD427 PN1 SN128 2M/SS CPL	DN300
1478032	HOBAS J/PIPE OD478 PN1 SN128 2M/SS CPL	DN350
1478043	HOBAS J/PIPE OD530 PN1 SN128 2M/SS CPL	DN400
1478053	HOBAS J/PIPE OD550 PN1 SN128 2M/SS CPL	DN450
1478069	HOBAS J/PIPE OD616 PN1 SN128 2M/SS CPL	DN500
1478075	HOBAS J/PIPE OD650 PN1 SN128 2M/SS CPL	DN550

*Additional stiffness ratings and lengths available. Fittings also available on request.



HOBAS GRP JACKING PIPE – SN320

CODE	DESCRIPTION	SIZE
1478008	HOBAS J/PIPE OD272 PN1 SN320 2M/SS CPL	DN250
1478011	HOBAS J/PIPE OD324 PN1 SN320 2M/SS CPL	DN300
1478014	HOBAS J/PIPE OD376 PN1 SN320 2M/SS CPL	DN350
1478022	HOBAS J/PIPE OD427 PN1 SN320 2M/SS CPL	DN400
1478029	HOBAS J/PIPE OD478 PN1 SN320 2M/SS CPL	DN450
1478046	HOBAS J/PIPE OD530 PN1 SN320 2M/SS CPL	DN500
1478056	HOBAS J/PIPE OD550 PN1 SN320 2M/SS CPL	DN550
1478072	HOBAS J/PIPE OD616 PN1 SN320 2M/SS CPL	DN600
1478079	HOBAS J/PIPE OD650 PN1 SN320 2M/SS CPL	DN650

*Additional stiffness ratings and lengths available. Fittings also available on request.



NOTES

If you have any questions about the perfect solution for your project, just call or email the customer centre closest to you and we'll be happy to help.

VIADUX WATER NETWORK SOLUTIONS

VIADUX.COM.AU

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