

PVC-U Pressure systems

Products Range



Including:

PVC-U SCJ Pressure Systems

PVC-U RRJ Polydex® Pipe

PVC-U SCJ Systems

Vinidex offers a comprehensive range of high standard PVC-U pressure systems for a large variety of applications. Our PVC-U pipes are manufactured using the finest raw materials and state of the art technology and processes.

PVC-U pipes have been used for pressure applications in Australia since the 1960s but have a much longer service history elsewhere in the world. Over this time, industry has recognised the many benefits of PVC for pressure pipes: material stability, corrosion resistance, high strength to weight ratio, ease of handling and installation and excellent flow characteristics.

Vinidex also offers FIP PVC-U large bore fittings. For more information on this range, please refer to the Vinidex website.



PVC-U SCJ Pipe

Vinidex offers PVC-U pipes with solvent cement joint (SCJ) sockets and Series 1 outside diameters. A comprehensive range of pressure fittings is also available to complete the system.

Applications

- ✓ Pumped sewerage and effluent pipelines
- ✓ Potable water
- ✓ Irrigation and turf watering
- ✓ Slurry transport
- ✓ Pressure sewerage
- ✓ Water supply
- ✓ Recycled water

Features & Benefits

Corrosion resistant

PVC-U pipes are unaffected by soil and water chemicals and will not be affected by anything that can normally be found in sewage effluent.

Light weight

PVC-U pipe is light weight for ease of handling and installation.

System compatibility

PVC-U SCJ pipes have Series 1 outside diameters.

A full range of fittings is available.

No adverse effect on water quality

PVC-U pipes will not affect the taste, smell, appearance or health aspects of drinking water.

Product Properties

Size Range

Series 1: DN 15 – DN200

Pressure Class

Pipe: PN 4.5 to PN18

Fittings

PN18 unless otherwise noted

Location

Above ground and buried applications

Temperature

Typically, 0° to 50°C, lower temperatures with special consideration, re-rating for temperatures > 20°C. For more information, please view PVC Temperature Considerations on the Vinidex website.

Materials

PVC-U

Exposure

Outdoor PVC pressure pipes can be painted with an acrylic-based paint for additional protection against solar radiation.

Chemical

Please visit the Chemical Resistance area of the Vinidex website.

Pressure Loads

For information on PVC-U pressure loads, please view PVC Pressure Considerations on the Vinidex website.



Certifications and Approvals

Vinidex offers Best Environmental Practice (BEP) and Environmental Product Declaration (EDP) for the PVC-U ranges on the Vinidex website.

Vinidex U-PVC pipes & fittings are WaterMark Certified under specification AS/NZS 1477:2017, by SAI Global Certification Systems, Licence number 001012.

Green Star

Vinidex PVC-U pressure pipes and fittings are manufactured from BEP PVC and have an EPD registered with the Australasian EPD Programme. This allows constructors to claim credit points under the Green Building Council of Australia's (GBCA) Green Star ratings tools and the Infrastructure Sustainability Council of Australia's (ISCA) Infrastructure Sustainability rating scheme.

Standards for PVC-U pressure pipe

Series 1 PVC-U pipes are manufactured in accordance with AS/NZS 1477- PVC pipes and fittings for pressure applications.

Standards for solvent cement and priming fluid

Priming fluid and solvent cements supplied by Vinidex comply with AS/NZS 3879 – Solvent cements and priming fluids for PVC (PVC-U and PVC-M) and ABS and ASA pipes and fittings.

Contact with drinking water

PVC-U pipes comply with the requirements of AS/NZS 4020 – Testing of products for use in contact with drinking water. This Standard specifies a series of type tests, which are carried out in order to demonstrate that the product does not have a detrimental effect on the quality of drinking water. It assesses the effect of the pipe on the taste, odour and appearance of water as well as the health aspects due to growth of microorganisms and leaching of toxic substances.

Installation

Vinidex recommends that PVC-U SCJ pressure pipes are installed in accordance with AS 2032 – Installation of PVC pipe systems. For further information on PVC Pressure Pipe installation please refer to the Vinidex Website.

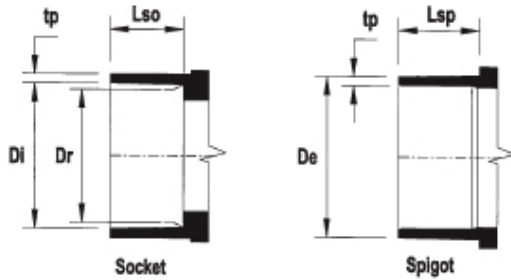
Product Data

PVC-U SCJ Pipe

Vinidex Code	Nominal Size DN	Pressure Class PN	Colour	Approx. Weight (kg/length)
13510	15	18	White	0.9
13520	20	12	White	1
13521	20	12	White	0.7
13550	20	18	White	1.4
13560	25	9	White	1.3
13570	25	12	White	1.6
13556	25	12	Purple	1.6
13557	25	9	White	0.86
13590	25	18	White	2.2
13600	32	9	White	2
13610	32	12	White	2.6
13640	32	18	White	3.6
13650	40	6	White	1.9
13660	40	9	White	2.6
13680	40	12	White	3.3
13703	40	12	Purple	3.3
13700	40	18	White	4.7
13710	50	6	White	2.7
13720	50	9	White	4
13740	50	12	White	5.1
13770	50	12	Purple	5.1
13760	50	18	White	7.4
13769	50	9	White	7.3
14520	65	12	White	8.1
14550	80	6	White	6.1
14560	80	9	White	8.7
14570	80	12	White	11.2
14590	80	18	White	16.2
14610	100	6	White	9.8
14620	100	9	White	14.4
14630	100	12	White	18.7
14650	100	18	White	26.6
14680	125	9	White	21.6
14690	125	12	White	2.9
14730	150	9	White	28.3
14740	150	12	White	36.8
14760	150	18	White	52.2
14840	200	9	White	51.3
14820	200	4.5	White	24
14850	200	12	White	66.6

Solvent Cement Fittings

Fittings in the Vinidex Solvent Cement Pressure range are manufactured in compliance with Australian Standard AS/NZS 1477, to pressure class PN 18 rating. Certain exceptions apply, as noted for individual fittings. In particular, some fittings are sourced internationally; in general the following specifications apply:



Size DN	Manufacturing Standard	PN
15 to 150	AS/NZS 1477	18
200	ISO draft & DIN 8063	9

All dimensions in the following tables are in millimeters.

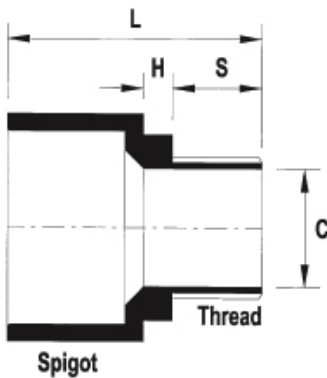
Standard Spigot and Socket Dimensions

Size DN	Minimum Wall Thickness tp	Spigot		Socket		
		Nom Outside Diameter De	Spigot Length Lsp	Nom Mouth Diameter Di	Nom Root Diameter Dr	Min Socket Length Lso
15	1.6	21.4	25.4	21.7	21	17
20	2	26.8	25.4	27.1	26.3	19.3
25	2.5	33.6	26.6	34	33.1	22
32	3.2	42.3	31.8	42.6	41.7	27
40	3.6	48.3	34.9	48.7	47.7	30
50	4.5	60.4	38.1	60.8	59.7	36
80	6.7	88.9	51.5	89.6	88.1	50
100	8.6	114.3	63.5	115	113.3	60
125	10.6	140.2	-	141	139.1	83
150	12.1	160.3	90	161	159	87
200	12.5	225	119	226	225	118.5

*Note: Spigoted fittings are designed for use only with other moulded sockets and NOT with pipe sockets. Moulded fitting sockets are shorter than pipe sockets. Although their OD's are stated here, spigots have a marginal outside taper to facilitate manufacture. Note, spigot length may vary.

CAT 2 Valve Take Off Adaptors

The spigot end of this fitting is solvent cement jointed to the socket of another fitting. The tapered male threaded end provides a connection for PVC, brass or galvanised wrought iron threaded valve-type fittings.



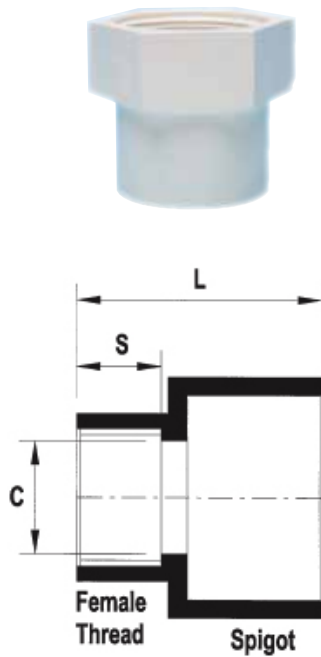
Vinidex Code	Size DN (SP x TH)	C	S	H	L
33890	15 x 15	15.4	18	7	51.4
33900	20 x 15	15.4	18	7	51.4
33910	20 x 20	20.1	19.5	7	52.9
33920	25 x 15	15.4	16.9	6.7	51.2
33930	25 x 20	20.1	19.5	6.8	53.9
33940	25 x 25	25.2	39.2	7.8	57.5
33970	32 x 25	25.2	22.1	7	61.9
33980	32 x 32	32.5	25.5	8	66.3
34000	40 x 20	20.1	19.5	6.8	62.2
34010	40 x 25	25.2	22.1	7.8	65.8
34020	40 x 32	32.5	25.5	8	69.4
34030	40 x 40	41	24.4	9	69.3
34070	50 x 32	32.5	24.4	7.8	71.3
34080	50 x 40	37.6	24.6	8.8	72.5
34090	50 x 50	51.1	29	8.6	76.7
34100*	80 x 50	50	29	8.6	88
34110*	80 x 80	69.7	34	19.5	158.5
34130*	100 x 80	69.7	34	19.5	158.5
34140*	100 x 100	90	40.5	20	184.5
*Fabricated					

*These fittings are fabricated from other moulded fittings.

Note: These fittings should not be jointed to solvent cement pipe sockets. Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 3 Faucet Take Off Adaptor

The spigot end of this fitting is solvent cement jointed to the socket of another fitting. The female threaded end provides a connection for male BSP threads such as spray nozzles.



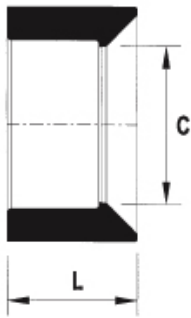
Vinidex Code	Size DN (SP x TH)	C	S	L
34150	15x15	17.1	18	41.7
34160	20x15	17.1	18	42.1
34170	20x20	22.4	19.5	45.2
34190	25x20	22.4	19.5	46.4
34200	25x25	27.8	22.1	49.6
34230	32x25	27.8	22.1	54.8
34240	32x32	34.3	25.5	57.8
34260	40x20	22.4	19.5	54.7
34270	40x25	27.8	22.1	57.9
34280	40x32	34.3	25.5	60.9
34290	40x40	39.4	24.4	64.2
34320	50x25	27.8	22.1	61.1
34340	50x40	39.4	24.4	67.4
34350	50x50	49.5	29	67.4
34360*	80x50	49.5	29.4	82.4
34370*	80x80	83	35	160
34400*	100x100	117	41.5	189

*These fittings are fabricated from other moulded fittings.

Note: These fittings should not be jointed to solvent cement pipe sockets. Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 5 Reducing Bushes

This fitting is used for solvent cement jointing into the socket of a fitting such as a CAT 7 coupling or a CAT 19 tee to give a reduction in bore. It is most often used as an alternative to a reducing coupling (CAT 8) in situations where space is a problem.



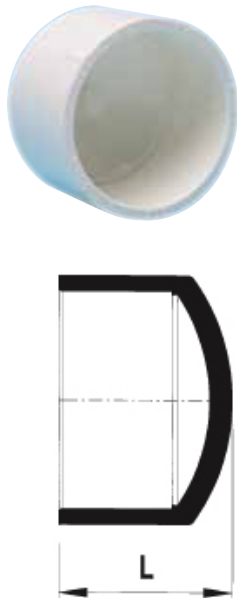
Vinidex Code	Size DN (SP x TH)	C	L
34420	20x15	16.8	21
34430	25x15	16.1	24.7
34440	25x20	21.9	24.5
34450	32x25	26.8	33
34460	40x25	31	31
34470	40x32	34.7	31.6
34480	50x25	27	36.9
34490	50x40	41.3	36.8
34500	80x50	56.2	51.5
34510	100x50	57.4	61.5
34520	100x80	85	61.5
34530	150x100	107	89
34580*	200x150	132.2	121.5

*PN16 Grey PVC Fitting

Note: These fittings should not be jointed to pipe sockets.

CAT 6 Caps

Caps are solvent cemented to the end of a pipe or fitting spigot to provide line termination. They can also be used to temporarily prevent the entry of dirt and foreign matter into a pipeline.

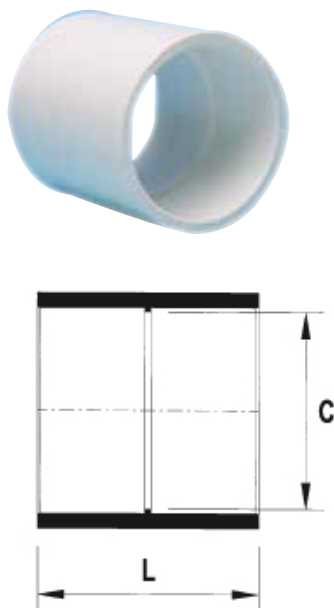


Vinidex Code	Size DN (mm)	L
34590	15	25.8
34600	20	29.7
34610	25	34.3
34620	32	50
34630	40	46.6
34640	50	58.4
34650 [^]	65	72
34660	80	78
34670	100	92
34680	125	133
34690	150	135
34705*	200	160

[^]PN9 Fitting

CAT 7 Couplings

Couplings are used for the solvent cement jointing of two lengths of PVC pipe.

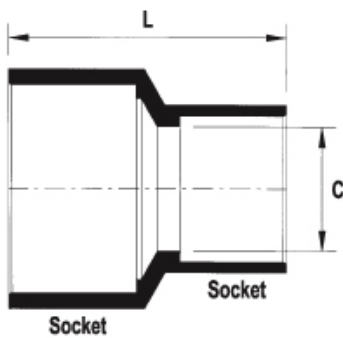


Vinidex Code	Size DN (mm)	C	L
34730	15	18.4	39
34740	20	24.1	43.5
34750	25	30.2	49.0
34760	32	36.6	69.5
34770	40	45.4	65.5
34780	50	56.6	77
34790	65	66	110.5
34800	80	85.5	104.5
34810	100	110	124.5
34820	125	131.5	185
34830	150	149.5	190
30404*	200	215	238

*PN16 Grey PVC Fitting

CAT 8 Reducing Couplings

Reducing couplings are used for the solvent cement jointing of two different sizes of PVC pipe.

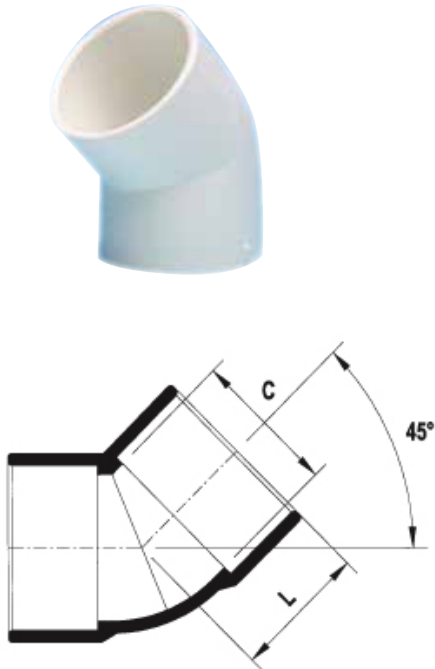


Vinidex Code	Size DN (mm x mm)	C	L
34880	20x15	16.5	45.5
34890	25x15	17.4	51
34900	25x20	21.1	51.5
34920	32x20	23	62.5
34930	32x25	25.3	67
34940	40x15	15.8	58
34950	40x20	23.5	64
34960	40x25	26.9	60
34970	40x32	38.4	71.5
34990	50x20	25	71
35000	50x25	29.3	78.5
35010	50x32	37	82
35020	50x40	42	74.3
35030 [^]	65x50	51	104
35035 [*]	80x40	41.2	99
35040	80x50	57.6	99
35050	80x65	66.5	120
35060	100x50	57.5	104
35070	100x80	86.6	123
35090	125x100	106	172
35100	150x100	107.5	183

^{*}Fabricated from other moulded fittings
[^]PN18 Fitting

CAT 10 45° Elbows

Elbows are used to provide 45° changes in direction in pipelines. They are often employed in confined space situations in place of CAT 12, 45° bends.



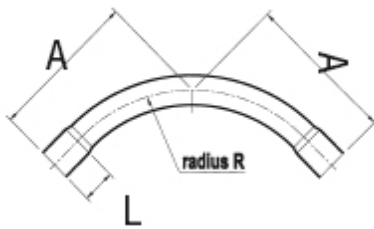
Vinidex Code	Size DN (mm)	C	L
35180	15	17.5	33
35190	20	23.7	34.5
35200	25	30	39.5
35210	32	38.8	44.5
35220	40	47.9	40
35230	50	60	46
35250	80	78.7	81.5
35260	100	102.2	95
35280 [^]	150	155	125
30388 [*]	200	218	181

^{*}PN10 Grey PVC Fitting
[^]PN12 Fitting

CAT 12 Bends (Fabricated)

CAT 12 bends are manufactured to AS/NZS 1477

Bends are used in pipelines to allow changes in direction. They are most often used in situations where space is not a problem, e.g. when laid in a large trench. They have significantly better flow characteristics compared to moulded elbows.

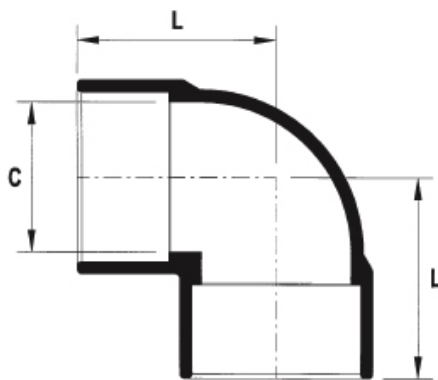


Vinidex Code	Size DN (mm x degree)	Class	A	Bore (Nom)	L (min)	Radius (Nom)
38860	20×90°	18	352	22.4	38	305
38870	25×90°	18	352	28.1	38	305
38890	40×90°	18	371	40.5	51	305
38900	50×90°	12	383	53.7	64	305
38920	65×90°	12	479	67.5	64	365
38950	80×90°	12	477	79	76	356
38970	100×90°	12	628	101.7	102	457
39000	150×90°	12	1085	142.7	127	635
38750	100×60°	12	502	101.7	102	584
38490	25×45°	18	172	28.1	38	305
38510	40×45°	18	185	40.5	51	305
38520	50×45°	12	210	53.7	64	305
38540	65×45°	12	243	67.5	64	365
38550	80×45°	12	343	79	76	584
38560	100×45°	12	358	101.7	102	584
38580	150×45°	12	776	142.7	127	635
38620	200×45°	12	1000	204.6	254	1200
38330	50×30°	12	154	53.7	64	305
38360	100×30°	12	279	101.7	102	584
38140	50×22½°	12	128	53.7	64	305
38160	80×22½°	12	199	79	76	584
38170	100×22½°	12	247	101.7	102	584
38190	150×22½°	12	599	142.7	127	635
37950	50×11¼°	12	102	53.7	64	305
37990	100×11¼°	12	170	101.7	102	584
38010	150×11¼°	12	572	142.7	127	635

Note: These fittings have pipe sockets and should not be jointed to spigoted moulded fittings.

CAT 13 90° Elbows

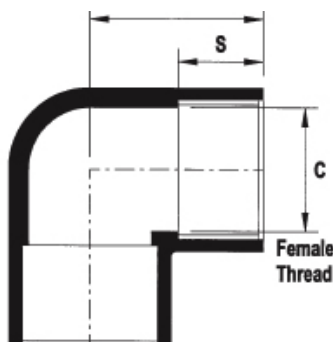
These are moulded fittings, which are used to provide 90° bends in pipelines. They are most often employed in confined space situations in preference to CAT 12 90° bends.



Vinidex Code	Size DN (mm)	C	L
35330	15	15.5	43.3
35340	20	20.6	43
35360	25	26.8	46.3
35390	32	39.7	52
35400	40	45.7	57.7
35410	50	57.7	69.9
35420	65	74.8	87.4
35430	80	78.4	98.6
35440	100	101.5	137.3
35460	150	143	182.9
30381	200	217	241

CAT 15 90° Faucet Elbows

The faucet elbow is used to provide a female BSP connection. In irrigation it is used as a means of connecting a threaded riser pipe to an underground pipeline.



Vinidex Code	Size DN (mm x mm)	C*	L	S
35510	15x15	15.5	43.1	25.1
35520	20x15	20.9	43	24.9
35530	20x20	20.7	43	23.4
35540	25x15	26.9	46.4	24.7
35550	25x20	26.9	46.4	22.9
35560	25x25	26.8	46	24.7
35570	32x32	39.1	49.7	22.1
35580	40x40	44	59	30

*Smaller bore

Note: PVC threads should never be overtightened. Refer to our Installation Guidelines for procedures.

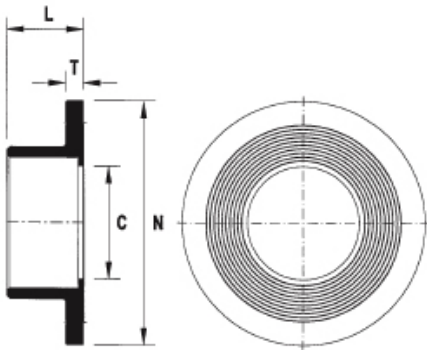
CAT 16 Flanges

Flanges are used to bolt PVC pipes to pumps and valves etc. Flanged disconnectable fittings provide capability for maintenance and future changes to the pipeline.

The 50, 80, 100 and 150 sizes are “stub” or short face flanges as opposed to the large full face flanges of other pipe sizes.

Refer to “Cast Iron Fittings” for further details on flanges.

Vinidex recommends the use of a backing ring with all flanges of 50 mm nominal size and over. (See Cat 16A.) Large washers should be used with bolts and nuts on smaller flanges. Do not overtighten.



Vinidex Code	Size DN (mm)	C	L	N	T
35620	25	33.8	33	115	13.5
35630	32	36	32.5	121	13.5
35640	40	41	40.1	133.6	13.5
35651	50	54.5	40	88	6
35660 [^]	65	66.5	67	169.5	13.5
35671	80	80	55	121	8
35681	100	105	65	153	10.4
35690	125	140.7	100	253	19.4
35701	150	150	94	205	13.2

[^] PN 12 fitting

This product is an imported stub flange, not to AS1477 so dimensions may vary at times. Designated PN 9.

CAT 16A Metal Backing Ring for Flanges

This galvanised mild steel backing ring has the effect of transferring the load from the flange attachment bolts to the total face of the flange. Flange backing rings conform to the drilling pattern of AS 2129 - Table E (Flanges for Pipes, Valves and Fittings) unless otherwise specified.

Vinidex Code	Size DN (mm)	ID	OD	T	PCD	Hole Diameter	No. of Holes
83500	50	80	150	8	114	18	4
83510	65	100	166	10	126	18	4
83520	80	109	185	10	146	18	4
83530	100	140	215	10	178	18	8
83540	125	170	255	12	210	18	8
83550	150	203	280	12	235	22	8
83560	200	252	335	12	292	22	8
83590	300	360	455	12	406	26	12



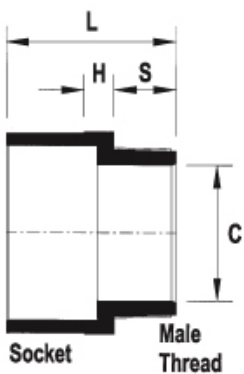
CAT 16B Flange Gasket

A flange gasket is a sealing gasket located between the PVC flange and its mount. It is manufactured in elastomeric material and is 3.2 mm thick. Any specific requirement should be stated when ordering.

Vinidex Code	Size DN (mm)	ID	OD	Hole Diameter	No. of Holes
83620	50	60.3	150	18	4
83640	80	88.9	185	18	4
83650	100	114.3	215	18	4
83780	125	139.7	255	18	8
83670	150	168.3	280	22	8
83680	200	215	335	22	8

CAT 17 Valve Sockets

The valve socket is solvent cement jointed to a pipe spigot. The male-threaded end of the valve socket provides a connection for a PVC, brass or galvanised wrought iron threaded valve-type fitting.

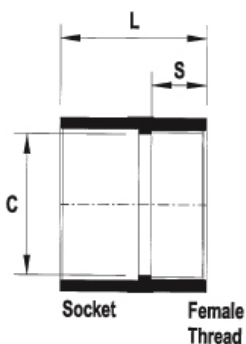


Vinidex Code	Size DN (mm)	C	H	L	S
35760	15	14.5	6.6	48	16
35770	20	19	6.8	46.7	19.6
35790	25	24.2	8	58.5	22.1
35800	32	31.5	8	60.5	24.7
35810	40	36.5	8.9	56	24.5
35820	50	46.3	8.6	74.5	29
35830	65	62.5	10	92.5	28.5
35840	80	69.5	19.7	94.5	34.5
35850	100	90	20	112.5	41

Note: Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 18 Faucet Sockets

The faucet socket is solvent cement jointed to a pipe spigot. The female-threaded end of the faucet socket provides a connection for a faucet tap fitting or a spray nozzle.



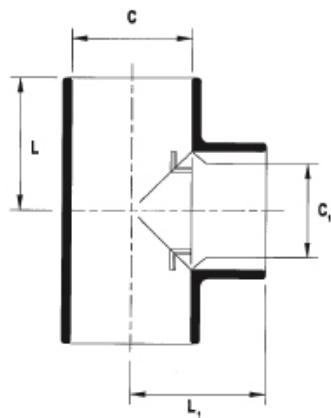
Vinide Code	Size DN (mm)	C	L	S
35870	15	17	47	15.7
35880	20	22	50.2	18.5
35890	25	28.2	56.2	21.5
35900	25x15	17	50	15.7
35910	32	34.3	62.6	26.3
35920	40	39.2	69	29.2
35930	50	49.3	72.3	29.2
35950	80	82.8	95	35
35960	100	107.5	112.5	41.5

Note: Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 19 Tees

Tees provide a branch at 90° from a main line. Available in equal or reducing branches.

See also tapping saddles.

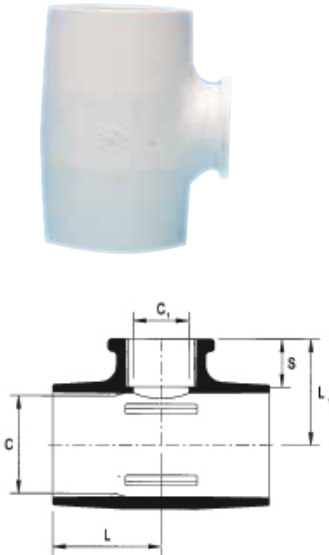


Vinidex Code	Size DN (mm x mm)	C	C1	L	L1
35980	15 x 15	15.5	15.5	43.2	43
35990	20x15	20.4	15.5	42.9	42.7
36000	20x20	20.4	20.4	42.9	42.7
36010	25x15	26.7	15.6	46.2	46
36020	25x20	26.7	20.7	46.2	45.8
36030	25x25	26.7	26.7	46.2	46.1
36050	32x20	41.5	20	48	45.8
36060	32x25	41.5	25	48	45.8
36070	32x32	41.5	41.5	52	52
36080	40x15	38.6	16.8	58.9	49.5
36090	40x20	47.5	20	50.9	49
36100	40x25	47.5	25	50.9	49
36110	40x32	38.6	33.5	58.9	59
36120	40x40	47.5	47.5	58	58
36140	50x20	59.5	20	57	55.1
36150	50x25	59.5	25	57	55.1
36180	50x50	59.5	59.5	70	70
36200^	65x65	74.8	74.8	92.25	92
36210	80x25	78.5	29.8	98.2	79.6
36230	80x40	78.5	38.8	98.2	86.6
36240	80x50	78.5	54	98.2	89.5
36250	80x80	78.5	78.5	98.2	98.6
36260	100x25	106	27	95	100.5
36270	100x50	106	55	95	100.5
36280	100x80	106	87	111	127
36290	100x100	107.3	107.3	131	129
36330^	150x100	143	101.5	158	153
36340^	150x150	143	143	172	172
30393*	200x200	220	220	233	233

^PN12 Fitting (°) Fabricated from other moulded fittings
*Not to AS 1477 PN 18

CAT 21 Faucet Tees

Faucet tees are used mainly in irrigation pipelines. The female thread in the tee branch provides a connection for a threaded riser pipe.



Vinidex Code	Size DN (mm)	C	C1	L	L1	S
36390	15×15	15.5	15.5	43.2	43	17.1
36400	20×15	20.5	15.5	43	42.4	17.1
36410	20×20	20.5	20.5	43	42.4	20
36420	25×15	26.8	15.5	46.2	46.2	17.3
36430	25×20	26.8	20.5	46.2	46.2	19.7
36440	25×25	26.8	26.7	46.2	46.2	23.6
36460	32×20	41.7	20	48	45.8	19.7
36470	32×25	41.7	26	48	45.8	22.8
36490	40×20	47.7	20	50.9	49	19.7
36500	40×25	47.7	26	50.9	49	22.8
36520	50×20	59.7	20	57	55.1	19.7
36530	50×25	59.7	26	57	55.1	22.8

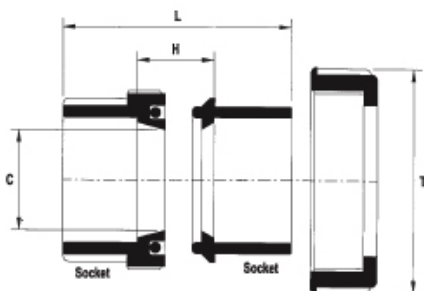
Note: Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 22 Unions

Unions are used to join together two sections of PVC pipe. In industrial applications they are used as an alternative to a flange in situations where future inspection of lines is anticipated. Easily assembled and disassembled, they can be used in pipeline repair situations.



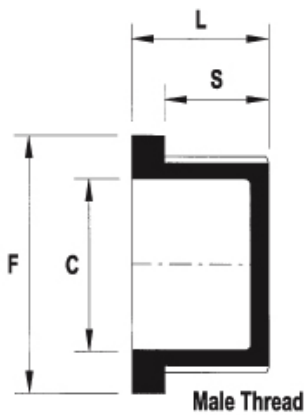
Vinidex Code	Size DN (mm)	C	T	(Assembled) H	L
36560	20	21.6	63	18.2	68
36570	25	27	70.2	18.1	75
36580	32	33.8	82.6	18.5	81.5
36590	40	40	96.5	22	91.5
36600	50	48.8	111.1	22.2	97.5



Note: This fitting is not intended to provide for angular misalignment. Do not overtighten.

CAT 23 Threaded Plugs

Threaded plugs are used as blank-offs for female threaded fittings.

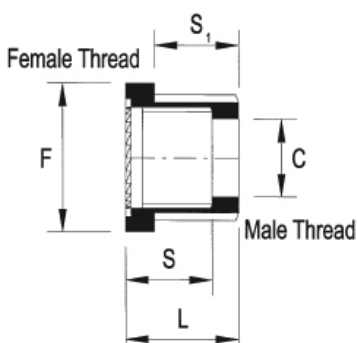


Vinidex Code	Size DN (mm)	C	F	L	S
36620	15	14.6	27	25	18
36630	20	17.8	32	26	19.1
36640	25	24.1	39.6	30	22.2
36650	32	31.8	50	32.4	24.4
36660	40	35.5	55.5	37.2	28.5
36670	50	45.5	70	37.7	28.5
36680	80	70	105	53.5	33.5
36690	100	Solid	134	68.5	43

Note: Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 24 Threaded Bush

Threaded reducing bushes are used mostly in irrigation applications to reduce the size of faucet elbows, faucet tees and faucet sockets so that they can receive smaller sized faucet fittings.



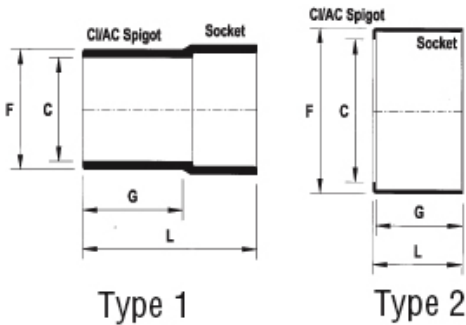
Vinidex Code	Size DN (mm x mm)	C	F	L	S	S1
36720	25x20	20.2	39.2	30.1	20	22.2

Note: Care should be taken not to overtighten. Refer to our Installation Guidelines for procedures.

CAT 28 Asbestos Cement and Cast Iron Adaptors

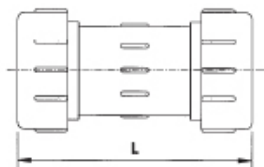
These fittings are used to adapt PVC pipe spigots to asbestos cement, cast iron or ductile iron pipe sockets. The socket end is solvent cement jointed to the pipe spigots.

Vinidex Code	Size DN (mm)	C	G	L	F	Type
36800	150	151	87	97	176.7	1



Quick Repair PVC Compression Coupling

This fitting is a “wet” or quick repair joint for small bore pressure lines. It is also used in demountable installations in laboratories, workshops and chemical processing plants. The advantage of this fitting is that pressure can be restored to the system immediately after installation. The compression coupling is slipped along the pipe to the desired position and the nuts are then tightened. Lubricant should be used on the pipe.



Vinidex Code	Size DN (mm)	Dimension L (sealed)
36850	15	85
36860	20	92
36870	25	108
36880	32	117
36890	40	122
36900	50	135
36910	80	215
36920	100	240

Note: Care must be taken not to overtighten. This fitting is rated Class 12.

PVC-U RRJ Polydex® Pipe

Product Range

Vinidex offers PVC-U rubber ring joint (RRJ) pipes in Polydex® Series 1 configurations. A range of fittings are compatible with these systems, including ductile iron fittings.

Applications

- ✓ Water supply services
- ✓ Above ground water supply
- ✓ Below ground drainage and sewer
- ✓ Watermains
- ✓ Irrigation

Features and Benefits

Corrosion Resistant

PVC-U pipes are totally unaffected by soil and water chemicals and will not be affected by anything that can normally be found in sewage effluent.

Light weight

PVC-U pipe is light weight for ease of handling and installation.

System compatibility

PVC-U RRJ pipes are available in Series 1 outside diameters.

No adverse effect on water

PVC-U pipes will not affect the taste, smell, appearance or health aspects of drinking water.

Product Properties

Size Range

Series 1: DN 80 – DN 300

For availability of the full range of Series 1 pipe, fittings and Series 2 pipe, please contact Vinidex.

Pressure Class

Series 1: PN 4.5 – PN 12

Location

Above ground and buried applications

Temperature

Typically, 0° to 50°C, lower temperatures with special consideration, re-rating for temperatures > 20°C.

Materials

PVC-U

Exposure

Outdoor PVC pressure pipes can be painted with an acrylic-based paint for additional protection against solar radiation.

Certifications and Approvals

Best Environmental Practice

This certificate is available to download on the Vinidex website.

Green Star

Vinidex PVC-U pressure pipes and fittings are manufactured from BEP PVC and have an EPD registered with the Australasian EPD Programme. This allows constructors to claim credit points under the Green Building Council of Australia's (GBCA) Green Star ratings tools and the Infrastructure Sustainability Council of Australia's (ISCA) Infrastructure Sustainability rating scheme.

Environmental Product Declaration

EPD for PVC Pressure Pipes is available on the Vinidex website.

Standards for PVC-U pressure pipe

Polydex® Series 1 pipes are manufactured in accordance with AS/NZS 1477 – PVC pipes and fittings for pressure applications.

Standards for rubber rings

Rubber rings for jointing Polydex® pipes are manufactured in accordance with AS 1646 – Elastomeric seals for waterworks purposes. Assembled rubber ring joints are also subjected to a variety of internal and external pressure testing to verify the joint design and long term performance.

Contact with drinking water

PVC-U pipes comply with the requirements of AS/NZS 4020 – Testing of products for use in contact with drinking water. This Standard specifies a series of type tests, which are carried out in order to demonstrate that the product does not have a detrimental effect on the quality of drinking water. It assesses

the effect of the pipe on the taste, odour and appearance of water as well as the health aspects due to growth of microorganisms and leaching of toxic substances.

StandardsMark and Watermark certificates are also available for download on the Vinidex website.

Installation

Vinidex recommends that PVC-U pressure pipes are installed in accordance with AS 2032 – Installation of PVC pipe systems. For further information please refer to the Vinidex website.

PRODUCT DATA

Polydex® PVC-U RRJ Series 1 Dimensions

Nominal Size DN	Outside Diameter		PN4.5		PN6		PN9		PN12	
	Dm min	Dm max	Tmean	ID	Tmean	ID	Tmean	ID	Tmean	ID
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
50	60.2	60.5	–	–	–	–	2.6	55.2	3.4	53.7
80	88.7	89.1	–	–	2.6	83.7	3.8	81.3	5	79
100	114.1	114.5	–	–	3.3	107.8	4.9	104.6	6.3	101.7
125	140	140.4	3.1	134.1	4	132.2	5.9	128.4	7.7	124.9
150	160	160.5	3.5	153.4	4.5	151.3	6.7	146.9	8.8	142.7
200	225	225.6	4.3	216.7	5.8	213.8	8.4	208.5	11.1	203.1
225	250	250.7	4.8	240.8	6.4	237.7	9.4	231.7	12.3	225.8
250	280	280.7	5.4	269.7	7.1	266.2	10.5	259.9	13.8	252.9
300	315	315.9	6.1	303.4	8	299.5	11.8	292	15.5	284.5

Polydex® PVC-U RRJ Series 1 Pipe 6m



Vinidex Code	Nominal Size DN (mm)	PN	Colour	Approx. Weight (kg/length)
16100	80	6	White	6.1
16110	80	9	White	8.7
16120	80	12	White	11.4
16150	100	6	White	9.8
16260	150	6	White	19.3
16330	200	6	White	35.2

Polydex® PVC-U RRJ Series 1 Pipe 3m



Vinidex Code	Nominal Size DN (mm)	PN	Colour	Approx. Weight (kg/length)
16285	150	12	White	19.4
16415	225	12	White	42.8
16535	300	12	White	69.5



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