

PVC-U METRIC



PVC-U METRIC

PVC-U PRESSURE PIPES

MANUFACTURING STANDARDS

Metric PVC-U products are generally manufactured in accordance with the following standards:

Pipe - EN1452-2

Fittings - EN1452-3, ISO161/1

Threaded Fittings - BS21, DIN2999, ISO7

Pressure ratings for solvent weld fittings are clearly stated alongside each item in this section.

Threaded fittings are rated at 12 bar.

* All quoted at 20°C

PVC-U SYSTEM PRESSURE/TEMPERATURE RELATIONSHIP

Pressure ratings for plastic pipework systems are always quoted at 20°C, it is a fundamental principle of such systems that if the temperature is increased then the pressure rating must be reduced.

PVC-U systems should never be used for temperatures in excess of 60°C.

CEMENT SETTING TIMES

PIPE DIAMETER	16 – 63mm		75 – 110mm		125 – 315mm	
	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar	Up to 10 bar	Up to 16 bar
>10°C	2 h	4 h	4 h	8 h	8 h	16 h
5°C to 10°C	4 h	8 h	8 h	16 h	16 h	32 h

These times are applicable to UNI100 Griffon cement.

PIPE DIAMETER	UP TO 50mm			63 – 125mm			140mm AND ABOVE		
	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar	5 bar	10 bar	16 bar
>15°C	15 min	30 min	2 h	30 min	1 h	4 h	2 h	8 h	16 h
5°C to 15°C	30 min	1 h	4 h	1 h	2 h	8 h	4 h	16 h	32 h

These times are applicable to WDF-05 Griffon cement.

CEMENT USAGE RECOMMENDATIONS

The following is an estimation of the number of joints likely to be achieved per litre of solvent cement.

NOMINAL BORE	NUMBER OF JOINTS	TYPE AND SIZE OF BRUSH	NUMBER OF PEOPLE
16mm – 20mm	1300	4mm Round	1
25mm – 32mm	650	8mm Round	1
40mm – 63mm	160	1" Flat	1
75mm	90	2" Flat	1
90mm	70	2" Flat	2
110mm	30	3" Flat	2
140mm – 160mm	20	3" Flat	3
225mm	12	3" Flat	3
280mm	8	3" Flat	3
315mm	4	3" Flat	3

FOR INSTALLATION INSTRUCTIONS SEE PAGES 38 & 39

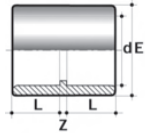
PVC-U PRESSURE PIPES

In above ground installations it is essential to provide support to ensure that the weight of the pipe and its contents are adequately supported. The recommended maximum support spacings for horizontal runs of PVC-U pipe are given in the table below. Spacings are calculated assuming the pipes are carrying water.

PVC-U PIPEWORK SUPPORT CENTRES

PIPE OD mm	20°C	25°C	30°C	35°C	40°C	45°C	20°C-45°C
	SPACING GIVEN IN METRES						VERTICAL PIPES
16	0.75	0.67	0.60	0.50	0.40		0.80
20	0.85	0.77	0.70	0.60	0.50		0.90
25	0.90	0.82	0.75	0.65	0.55	0.50	1.00
32	1.00	0.92	0.85	0.75	0.65	0.57	1.20
40	1.10	1.05	1.00	0.90	0.80	0.70	1.40
50	1.25	1.20	1.15	1.05	0.95	0.82	1.60
63	1.40	1.35	1.30	1.20	1.10	0.97	1.80
75	1.50	1.45	1.40	1.30	1.20	1.07	2.00
90	1.65	1.60	1.55	1.45	1.35	1.20	2.20
110	1.85	1.80	1.75	1.65	1.55	1.37	2.40
140	2.15	2.10	2.05	1.95	1.85	1.72	2.50
160	2.25	2.20	2.15	2.07	2.00	1.85	2.50
225	2.50	2.45	2.40	2.32	2.25	2.12	2.50

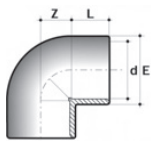
SOCKET



d	PART NO
16	SO-16-UPVC
20	SO-20-UPVC
25	SO-25-UPVC
32	SO-32-UPVC
40	SO-40-UPVC
50	SO-50-UPVC
63	SO-63-UPVC
75	SO-75-UPVC
90	SO-90-UPVC
110	SO-110-UPVC
125	SO-125-UPVC
140	SO-140-UPVC
160	SO-160-UPVC
200	SO-200-UPVC
225	SO-225-UPVC

L	Z	E	RATED	Wt (g)				
14	3	23.5	16 BAR	9				
16	3	28	16 BAR	15				
19	3	34	16 BAR	23				
22	3	42	16 BAR	36				
26	3	51	16 BAR	60				
31	3	61	16 BAR	85				
38	3	75	16 BAR	145				
44	4	88	16 BAR	222				
51	5	106	16 BAR	353				
61	6	126	16 BAR	605				
69	7	145	16 BAR	840				
76	9	161	16 BAR	1100				
86	8	181	16 BAR	1400				
106	11	226	16 BAR	2660				
119	11	258	16 BAR	4436				

90° ELBOW



d	PART NO
16	EE-90-16-UPVC
20	EE-90-20-UPVC
25	EE-90-25-UPVC
32	EE-90-32-UPVC
40	EE-90-40-UPVC
50	EE-90-50-UPVC
63	EE-90-63-UPVC
75	EE-90-75-UPVC
90	EE-90-90-UPVC
110	EE-90-110-UPVC
125	EE-90-125-UPVC
140	EE-90-140-UPVC
160	EE-90-160-UPVC
200	EE-90-200-UPVC
225	EE-90-225-UPVC

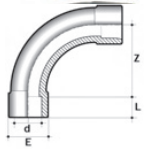
L	Z	E	RATED	Wt (g)				
14	9	23.5	16 BAR	13				
16	11	26.5	16 BAR	20				
19	14	32.5	16 BAR	35				
22	17	41	16 BAR	50				
26	23	50	16 BAR	90				
31	28	60	16 BAR	135				
38	34	75	16 BAR	247				
44	40	89	16 BAR	375				
51	48	106	16 BAR	620				
61	58	129.5	16 BAR	1060				
69	66	145	16 BAR	1420				
76	73	164	16 BAR	1990				
86	81	188	16 BAR	3200				
106	102	232	16 BAR	5850				
119	115	258	16 BAR	7500				

PVC-U PRESSURE FITTINGS PLAIN

90° SHORT RADIUS BEND



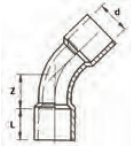
FIG. A



d	PART NO
20	EB-90-20-UPVC
25	EB-90-25-UPVC
32	EB-90-32-UPVC
40	EB-90-40-UPVC
50	EB-90-50-UPVC
63	EB-90-63-UPVC
75	EB-90-75-UPVC
90	EB-90-90-UPVC
110	EB-90-110-UPVC

L	Z	E	FIG	RATED	Wt (g)
16	40	28	A	16 BAR	45
19	50	35	A	16 BAR	74
22	64	42	A	16 BAR	125
26	80	51	A	16 BAR	200
31	100	63	A	16 BAR	318
38	126	77	A	16 BAR	510
44	150	94	A	16 BAR	1015
51	180	113	A	16 BAR	1790
61	220	132	A	16 BAR	2860

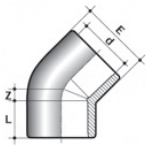
45° BEND - MADE OF TUBE



d	PART NO
32	EB-45-32-UPVC
40	EB-45-40-UPVC
50	EB-45-50-UPVC
63	EB-45-63-UPVC
75	EB-45-75-UPVC
90	EB-45-90-UPVC

L	Z	RATED	Wt (g)
25	26	16 BAR	50
30	36	16 BAR	100
35	40	16 BAR	160
43	46	16 BAR	280
51	54	16 BAR	413
58	63	16 BAR	744

45° ELBOW

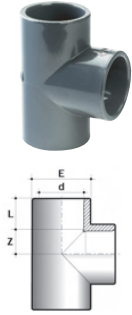


d	PART NO
16	EE-45-16-UPVC
20	EE-45-20-UPVC
25	EE-45-25-UPVC
32	EE-45-32-UPVC
40	EE-45-40-UPVC
50	EE-45-50-UPVC
63	EE-45-63-UPVC
75	EE-45-75-UPVC
90	EE-45-90-UPVC
110	EE-45-110-UPVC
125	EE-45-125-UPVC
140	EE-45-140-UPVC
160	EE-45-160-UPVC
200	EE-45-200-UPVC
225	EE-45-225-UPVC

L	Z	E	RATED	Wt (g)
14	5.5	23	16 BAR	10
16	5.5	28	16 BAR	17
19	6	34	16 BAR	30
22	8	42	16 BAR	47
26	10	51	16 BAR	77
31	12	61	16 BAR	115
38	15	75	16 BAR	190
44	18	88	16 BAR	310
51	21	106	16 BAR	485
61	25	128	16 BAR	835
69	27	145	16 BAR	1065
76	32	164	16 BAR	1640
86	36	184	16 BAR	2100
106	43	232	16 BAR	4540
119	49	258	16 BAR	6200

PVC-U PRESSURE FITTINGS PLAIN

EQUAL TEE



d	PART NO
16	T-16-UPVC
20	T-20-UPVC
25	T-25-UPVC
32	T-32-UPVC
40	T-40-UPVC
50	T-50-UPVC
63	T-63-UPVC
75	T-75-UPVC
90	T-90-UPVC
110	T-110-UPVC
125	T-125-UPVC
140	T-140-UPVC
160	T-160-UPVC
200	T-200-UPVC
225	T-225-UPVC

L	Z	E	RATED	Wt (g)				
14	9	23.5	16 BAR	15				
16	11	27.5	16 BAR	25				
19	14	33.5	16 BAR	44				
22	17	42	16 BAR	75				
26	21	51	16 BAR	125				
31	16	61	16 BAR	183				
38	33	75	16 BAR	315				
44	39	89	16 BAR	495				
51	47	106	16 BAR	790				
61	57	129.5	16 BAR	1330				
69	64	145	16 BAR	1850				
76	72	162.5	16 BAR	2610				
86	81	188	16 BAR	4100				
106	102	232	16 BAR	7200				
119	114	258	16 BAR	9700				

REDUCING TEE

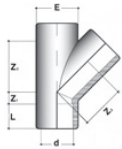


d x d ₁	PART NO
20 x 16	TR-2016-UPVC
25 x 16	TR-2516-UPVC
25 x 20	TR-2520-UPVC
32 x 16	TR-3216-UPVC
32 x 20	TR-3220-UPVC
32 x 25	TR-3225-UPVC
40 x 16	TR-4016-UPVC
40 x 20	TR-4020-UPVC
40 x 25	TR-4025-UPVC
40 x 32	TR-4032-UPVC
50 x 20	TR-5020-UPVC
50 x 25	TR-5025-UPVC
50 x 32	TR-5032-UPVC
50 x 40	TR-5040-UPVC
63 x 20	TR-6320-UPVC
63 x 25	TR-6325-UPVC
63 x 32	TR-6332-UPVC
63 x 40	TR-6340-UPVC
63 x 50	TR-6350-UPVC
75 x 32	TR-7532-UPVC
75 x 40	TR-7540-UPVC
75 x 50	TR-7550-UPVC
75 x 63	TR-7563-UPVC
90 x 40	TR-9040-UPVC
90 x 50	TR-9050-UPVC
90 x 63	TR-9063-UPVC
90 x 75	TR-9075-UPVC
110 x 50	TR-11050-UPVC
110 x 63	TR-11063-UPVC
110 x 75	TR-11075-UPVC
110 x 90	TR-11090-UPVC
125 x 63	TR-12563-UPVC
125 x 75	TR-12575-UPVC
125 x 90	TR-12590-UPVC
125 x 110	TR-125110-UPVC
140 x 75	TR-14075-UPVC
140 x 90	TR-14090-UPVC
140 x 110	TR-140110-UPVC
140 x 125	TR-140125-UPVC
160 x 90	TR-16090-UPVC
160 x 110	TR-160110-UPVC
160 x 125	TR-160125-UPVC
160 x 140	TR-160140-UPVC

L	L ₁	Z	Z ₁	E	E ₁	RATED	Wt (g)	
16	14	11	11	27.5	23.5	16 BAR	25	
19	16	14	14	33.5	28	16 BAR	40	
19	14	14	14	33.5	23.5	16 BAR	42	
22	14	17	17	42	23.5	16 BAR	68	
22	16	17	17	42	28	16 BAR	69	
22	19	17	17	42	33.5	16 BAR	70	
26	14	21	21	51	23.5	16 BAR	100	
26	16	21	21	51	28	16 BAR	112	
26	19	21	21	51	34	16 BAR	115	
26	22	21	21	51	42	16 BAR	118	
31	16	26	26	61	28	16 BAR	155	
31	19	26	26	61	34	16 BAR	166	
31	22	26	26	61	42	16 BAR	170	
31	26	26	26	61	51	16 BAR	178	
38	16	33	33	75	28	16 BAR	268	
38	19	33	33	75	34	16 BAR	270	
38	22	33	33	75	42	16 BAR	283	
38	26	33	33	75	51	16 BAR	288	
38	31	33	33	75	61	16 BAR	292	
44	22	39	39	89	42	16 BAR	463	
44	26	39	39	89	51	16 BAR	465	
44	31	39	39	89	61	16 BAR	465	
44	38	39	39	89	75	16 BAR	478	
51	26	47	47	106	51	16 BAR	702	
51	31	47	47	106	61	16 BAR	740	
51	38	47	47	106	75	16 BAR	740	
51	44	47	47	106	89	16 BAR	760	
61	31	57	57	129	61	16 BAR	1250	
61	38	57	57	129	75	16 BAR	1200	
61	44	57	57	129	89	16 BAR	1220	
61	51	57	57	129	106	16 BAR	1250	
69	44	66	66	148	75	16 BAR	1660	
69	44	66	66	148	89	16 BAR	1700	
69	51	66	66	148	106	16 BAR	1750	
69	61	66	66	148	129	16 BAR	1830	
76	44	72	72	163	89	16 BAR	2460	
76	51	72	72	163	106	16 BAR	2490	
76	61	72	72	163	129	16 BAR	2530	
76	69	72	72	163	148	16 BAR	2590	
86	51	82	82	184	106	16 BAR	3790	
86	61	82	82	184	129	16 BAR	3840	
86	69	82	82	184	148	16 BAR	3890	
86	76	82	82	184	163	16 BAR	3940	

PVC-U PRESSURE FITTINGS PLAIN

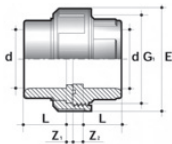
Y PIECE/45° TEE



d	PART NO
16	TY-16-UPVC
20	TY-20-UPVC
25	TY-25-UPVC
32	TY-32-UPVC
40	TY-40-UPVC
50	TY-50-UPVC
63	TY-63-UPVC

L	Z ₁	Z ₂	E	RATED	Wt (g)
14	5	25	23.5	16 BAR	24
16	7	29	27.5	16 BAR	36
19	7	36	33.5	16 BAR	59
22	8	44	42	16 BAR	103
26	10	54	50.5	16 BAR	175
31	12	65	61	16 BAR	254
38	14	80	74.5	16 BAR	420

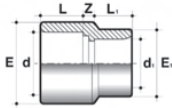
UNION



d	PART NO
16	UT-16-UPVC
20	UT-20-UPVC
25	UT-25-UPVC
32	UT-32-UPVC
40	UT-40-UPVC
50	UT-50-UPVC
63	UT-63-UPVC
75	UT-75-UPVC
90	UT-90-UPVC
110	UT-110-UPVC

L	Z ₁	Z ₂	G ₁	E	RATED	Wt (g)
14	3	10	1/4"	34	16 BAR	30
16	3	10	1"	42	16 BAR	41
19	3	10	1 1/4"	52	16 BAR	67
22	3	10	1 1/2"	59	16 BAR	90
26	3	12	2"	72	16 BAR	135
31	3	14	2 1/4"	79	16 BAR	206
38	3	18	2 3/4"	96	16 BAR	360
44	3	18	3 1/2"	119	10 BAR	580
51	5	18	4"	134	10 BAR	777
61	5	18	5"	163	10 BAR	1150

REDUCING SOCKET

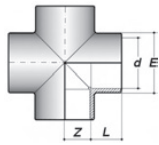


d x d ₁	PART NO
20 x 16	RSO-2016-UPVC
25 x 16	RSO-2516-UPVC
25 x 20	RSO-2520-UPVC
32 x 20	RSO-3220-UPVC
32 x 25	RSO-3225-UPVC
40 x 20	RSO-4020-UPVC
40 x 25	RSO-4025-UPVC
40 x 32	RSO-4032-UPVC
50 x 25	RSO-5025-UPVC
50 x 32	RSO-5032-UPVC
50 x 40	RSO-5040-UPVC
63 x 40	RSO-6340-UPVC
63 x 50	RSO-6350-UPVC
75 x 40	RSO-7540-UPVC
75 x 50	RSO-7550-UPVC
75 x 63	RSO-7563-UPVC
90 x 40	RSO-9040-UPVC
90 x 50	RSO-9050-UPVC
90 x 63	RSO-9063-UPVC
90 x 75	RSO-9075-UPVC
110 x 50	RSO-11050-UPVC
110 x 63	RSO-11063-UPVC
110 x 75	RSO-11075-UPVC
110 x 90	RSO-11090-UPVC
125 x 90	RSO-12590-UPVC
125 x 110	RSO-125110-UPVC
140 x 90	RSO-14090-UPVC
140 x 110	RSO-140110-UPVC
140 x 125	RSO-140125-UPVC
160 x 110	RSO-160110-UPVC
160 x 140	RSO-160140-UPVC

L	L ₁	Z	E	E ₁	RATED	Wt (g)
16	14	6	28	23	16 BAR	15
19	14	9.5	32	23	16 BAR	21
19	16	6	34	28	16 BAR	25
22	16	9	40	28	16 BAR	25
22	19	6	42	33	16 BAR	35
26	16	9	50	28	16 BAR	54
28	19	12	50	33	16 BAR	49
26	22	6	51	41	16 BAR	58
32	19	19	63	33	16 BAR	85
31	22	12	63	41	16 BAR	100
31	26	6	61	50	16 BAR	80
38	26	17.2	75	50	16 BAR	140
38	31	6	75	60.5	16 BAR	120
44	26	22.5	90	50	16 BAR	270
44	31	17.5	90	60.5	16 BAR	295
44	38	6	89	75	16 BAR	210
51	26	32.8	110	50	16 BAR	440
51	31	28	110	60.5	16 BAR	470
51	38	21.5	110	75	16 BAR	500
51	44	6	106	88	16 BAR	300
61	31	34	125	60.5	16 BAR	480
61	38	27.5	125	75	16 BAR	500
61	44	22.8	125	88	16 BAR	520
61	51	6	129	106	16 BAR	510
69	51	23.8	140	106	16 BAR	575
69	61	7	145	128	16 BAR	740
76	51	23.5	160	106	16 BAR	850
76	61	19	160	128	16 BAR	1140
76	69	19	160	145	16 BAR	1040
86	61	28	180	129	16 BAR	1250
86	76	8	184	164	16 BAR	1350

PVC-U PRESSURE FITTINGS PLAIN

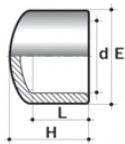
CROSS



d	PART NO
16•	X-16-UPVC
20	X-20-UPVC
25	X-25-UPVC
32	X-32-UPVC
40	X-40-UPVC
50	X-50-UPVC
63	X-63-UPVC
75	X-75-UPVC
90	X-90-UPVC
110	X-110-UPVC

L	Z	E	RATED	Wt (g)				
14	9.5	23.5	16 BAR	23				
16	11	27.5	16 BAR	30				
19	14	33.5	16 BAR	60				
22	17	42	16 BAR	110				
26	21	51	16 BAR	180				
31	26	61	16 BAR	270				
38	33	75	16 BAR	510				
44	40	89	10 BAR	776				
51	46	106	10 BAR	933				
61	56	129.5	10 BAR	1588				

CAP



d	PART NO
16	BC-16-UPVC
20	BC-20-UPVC
25	BC-25-UPVC
32	BC-32-UPVC
40	BC-40-UPVC
50	BC-50-UPVC
63	BC-63-UPVC
75	BC-75-UPVC
90	BC-90-UPVC
110	BC-110-UPVC
125	BC-125-UPVC
140	BC-140-UPVC
160	BC-160-UPVC
200	BC-200-UPVC
225	BC-225-UPVC

L	H	E	RATED	Wt (g)				
14	22	23	16 BAR	7				
16	27	28	16 BAR	10				
19	31	33	16 BAR	18				
22	36	41	16 BAR	30				
28	43	52	16 BAR	45				
32	49	60.5	16 BAR	70				
39	57	75	16 BAR	120				
44	67	89	16 BAR	178				
51	80	106	16 BAR	295				
61	95	129	16 BAR	490				
69	102	145	16 BAR	680				
76	114	161	16 BAR	920				
86	126	181	16 BAR	1146				
106	145	227	16 BAR	2048				
119	160	254	16 BAR	2684				

PVC-U PRESSURE FITTINGS PLAIN

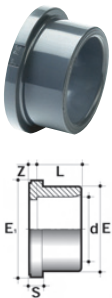
REDUCING BUSH



d x d1	PART NO
20 x 16	RB-2016-UPVC
25 x 16	RB-2516-UPVC
25 x 20	RB-2520-UPVC
32 x 16	RB-3216-UPVC
32 x 20	RB-3220-UPVC
32 x 25	RB-3225-UPVC
40 x 20	RB-4020-UPVC
40 x 25	RB-4025-UPVC
40 x 32	RB-4032-UPVC
50 x 25	RB-5025-UPVC
50 x 32	RB-5032-UPVC
50 x 40	RB-5040-UPVC
63 x 25	RB-6325-UPVC
63 x 32	RB-6332-UPVC
63 x 40	RB-6340-UPVC
63 x 50	RB-6350-UPVC
75 x 32	RB-7532-UPVC
75 x 40	RB-7540-UPVC
75 x 50	RB-7550-UPVC
75 x 63	RB-7563-UPVC
90 x 50	RB-9050-UPVC
90 x 63	RB-9063-UPVC
90 x 75	RB-9075-UPVC
110 x 63	RB-11063-UPVC
110 x 75	RB-11075-UPVC
110 x 90	RB-11090-UPVC
125 x 75	RB-12575-UPVC
125 x 90	RB-12590-UPVC
125 x 110	RB-125110-UPVC
140 x 90	RB-14090-UPVC
140 x 110	RB-140110-UPVC
140 x 125	RB-140125-UPVC
160 x 90	RB-16090-UPVC
160 x 110	RB-160110-UPVC
160 x 125	RB-160125-UPVC
160 x 140	RB-160140-UPVC
180 x 125	RB-180125-UPVC
180 x 140	RB-180140-UPVC
180 x 160	RB-180160-UPVC
200 x 160	RB-200160-UPVC
200 x 180	RB-200180-UPVC
225 x 160	RB-225160-UPVC
225 x 200	RB-225200-UPVC

L	L1	Z	FIG	RATED	Wt (g)
16	14	2	A	16 BAR	5
19	14	5	A	16 BAR	10
19	16	3	A	16 BAR	6
22	14	8	B	16 BAR	15
22	16	6	A	16 BAR	15
22	19	3	A	16 BAR	10
26	16	10	B	16 BAR	29
26	19	7	A	16 BAR	28
26	22	4	A	16 BAR	19
33	19	14	B	16 BAR	45
33	22	9	B	16 BAR	45
33	28	5	A	16 BAR	35
38	19	19	B	16 BAR	86
38	22	16	B	16 BAR	83
38	26	12	B	16 BAR	83
38	31	7	A	16 BAR	61
44	22	22	B	16 BAR	135
44	26	18	B	16 BAR	125
44	31	14	B	16 BAR	122
44	38	6	A	16 BAR	85
51	31	20	B	16 BAR	205
51	38	13	B	16 BAR	180
51	44	7	A	16 BAR	140
61	38	23	B	16 BAR	372
61	44	17	B	16 BAR	342
61	51	10	A	16 BAR	266
69	44	25	B	16 BAR	440
69	51	18	B	16 BAR	373
69	61	8	A	16 BAR	260
76	51	25	B	16 BAR	600
76	61	15	B	16 BAR	480
76	69	7	A	16 BAR	335
88	56	30	B	16 BAR	850
88	63	25	B	16 BAR	820
88	71	17	B	16 BAR	745
86	76	10	A	16 BAR	565
96	69	27	B	16 BAR	1150
96	76	20	B	16 BAR	1020
96	86	10	A	16 BAR	705
106	86	20	B	16 BAR	1360
106	96	10	A	16 BAR	870
119	86	33	B	16 BAR	1700
119	106	13	A	16 BAR	1360

STUB FLANGE

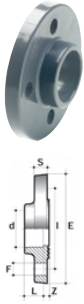


d	PART NO
20	SF-20-UPVC
25	SF-25-UPVC
32	SF-32-UPVC
40	SF-40-UPVC
50	SF-50-UPVC
63	SF-63-UPVC
75	SF-75-UPVC
90	SF-90-UPVC
110	SF-110-UPVC

L	Z	S	E	E1	RATED	Wt (g)
16	3	6	27	34	16 BAR	10
19	3	7	33	41	16 BAR	16
22	3	7	41	50	16 BAR	25
26	3	8	50	61	16 BAR	40
31	3	8	61	73	16 BAR	60
38	3	9	76	90	16 BAR	113
44	3	10	90	106	16 BAR	160
51	5	11	108	125	16 BAR	263
61	5	12	131	150	16 BAR	430

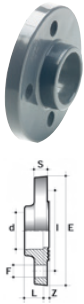
PVC-U PRESSURE FITTINGS PLAIN

FULL FACE FLANGE - BS4504 NP10/16



d	PART NO	PRICE	L	Z	E	S	I	F	HOLES	Bolt Dia	Wt (g)
20	FPN16-20-UPVC	10.28	16	4.5	95	11	65	14	4	M12	78
25	FPN16-25-UPVC	10.49	19	4.5	105	12	75	14	4	M12	105
32	FPN16-32-UPVC	11.24	22	4.5	115	14	85	14	4	M12	143
40	FPN16-40-UPVC	13.35	26	4.5	142	15	100	18	4	M16	220
50	FPN16-50-UPVC	15.66	31	4.5	152	16	110	18	4	M16	280
63	FPN16-63-UPVC	19.91	38	4.5	165	18	125	18	4	M16	380
75	FPN16-75-UPVC	32.93	44	6	185	19	145	18	4	M16	505
90	FPN16-90-UPVC	37.08	51	7	200	20	160	18	8	M16	685
110	FPN16-110-UPVC	51.39	61	8	220	22	180	18	8	M16	940

FULL FACE FLANGE - ASA 150



d	PART NO	L	Z	E	S	I	F	HOLES	Bolt Dia	Wt (g)
25•	FASA150-25-UPVC	20	4.5	100	18	70	16	4	M12	180
32•	FASA150-32-UPVC	29	4.5	115	17	79	16	4	M12	240
40•	FASA150-40-UPVC	32	4.5	119	19	89	16	4	M12	280
50•	FASA150-50-UPVC	36	4.5	129	24	98	16	4	M12	400
63•	FASA150-63-UPVC	42	4.5	165	20	121	19	4	M16	440
75•	FASA150-75-UPVC	47	4.5	189	23	140	19	4	M16	860
90•	FASA150-90-UPVC	52	6	193	27	152	19	4	M16	950
110•	FASA150-110-UPVC	64	7	233	27	190	19	8	M16	1400

PVC-U PRESSURE FITTINGS PLAIN

BLANK FLANGE - BS4504 NP10/16



SIZE	PART NO	E	I	F	HOLES	Bolt Dia	Wt (g)			
20	BPN16-20-UPVC	95	65	14	4	M12	75			
25	BFN16-25-UPVC	105	75	14	4	M12	100			
32	BPN16-32-UPVC	115	85	14	4	M12	137			
40	BPN16-40-UPVC	142	100	18	4	M16	225			
50	BPN16-50-UPVC	152	110	18	4	M16	280			
63	BPN16-63-UPVC	165	125	18	4	M16	355			
75	BPN16-75-UPVC	185	145	18	4	M16	488			
90	BPN16-90-UPVC	200	160	18	8	M16	640			
110	BPN16-110-UPVC	220	180	18	8	M16	825			

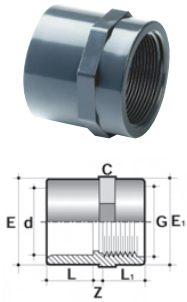
BLANK FLANGE - ASA 150



SIZE	PART NO	E	I	F	HOLES	Bolt Dia	Wt (g)			
32•	BASA150-32-UPVC	115	79	16	4	M12	220			
40•	BASA150-40-UPVC	119	89	16	4	M12	430			
50•	BASA150-50-UPVC	129	98	16	4	M12	440			
63•	BASA150-63-UPVC	165	121	19	4	M16	520			
75•	BASA150-75-UPVC	189	140	19	4	M16	800			
90•	BASA150-90-UPVC	193	152	19	4	M16	1020			
110•	BASA150-110-UPVC	233	190	19	8	M16	1270			

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

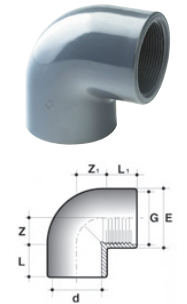
SOCKET



d x G	PART NO
16 x 3/8"	TSO-16-38-UPVC
20 x 1/2"	TSO-20-12-UPVC
25 x 3/4"	TSO-25-34-UPVC
32 x 1"	TSO-32-1-UPVC
40 x 1 1/4"	TSO-40-114-UPVC
50 x 1 1/2"	TSO-50-112-UPVC
63 x 2"	TSO-63-2-UPVC
75 x 2 1/2"	TSO-75-212-UPVC
90 x 3"	TSO-90-3-UPVC
110 x 4"	TSO-110-4-UPVC
125 x 5"	TSO-125-5-UPVC

L	L ₁	Z	E	E ₁	C	Wt (g)
14	11.4	3	23.5	23.5	24	9
16	15	4	28	28	30	18
19	16.3	4	34	34	34	25
22	19.1	5	42	42	42	38
26	21.4	5	50	50	55	68
31	21.4	5	61	57.5	65	95
38	25.7	5	75	71.5	75	165
44	30.2	5	89	88.5	90	215
51	33.3	8	106	106	110	340
61	39.3	8	129	129	129	505
69	43.6	41	145	144		1080

90° ELBOW



d x G	PART NO
16 x 3/8"	TE-90-16-UPVC
20 x 1/2"	TE-90-20-UPVC
25 x 3/4"	TE-90-25-UPVC
32 x 1"	TE-90-32-UPVC
40 x 1 1/4"	TE-90-40-UPVC
50 x 1 1/2"	TE-90-50-UPVC
63 x 2"	TE-90-63-UPVC
75 x 2 1/2"	TE-90-75-UPVC
90 x 3"	TE-90-90-UPVC
110 x 4"	TE-90-110-UPVC

L	L ₁	Z	Z ₁	E	Wt (g)
14	11.4	9	11.6	23.5	13
16	15	11	12	26.5	20
19	16.3	14	16	32.5	35
22	19.1	17	19.7	41	60
26	21.4	23	19.9	50	90
31	21.4	28	27.6	60	155
38	25.7	34	37.6	75	290
44	30.2	40	46.3	89	410
51	33.3	48	53.8	106	700
61	39.3	58	65.7	129	1040

45° ELBOW

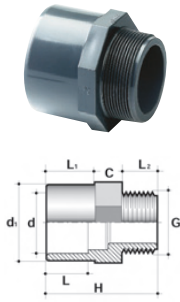


d x G	PART NO
16 x 3/8"	TE-45-16-UPVC
20 x 1/2"	TE-45-20-UPVC
25 x 3/4"	TE-45-25-UPVC
32 x 1"	TE-45-32-UPVC
40 x 1 1/4"	TE-45-40-UPVC
50 x 1 1/2"	TE-45-50-UPVC
63 x 2"	TE-45-63-UPVC
75 x 2 1/2"	TE-45-75-UPVC
90 x 3"	TE-45-90-UPVC
110 x 4"	TE-45-110-UPVC

L	L ₁	Z	Z ₁	E	Wt (g)
14	11.4	5.5	8.1	23.5	10
16	15	5.5	6.5	28	18
19	16.3	6	8.7	34	30
22	19.1	8	10.9	42	48
26	21.4	10	14.6	51	79
31	21.4	12	21.6	61	130
38	25.7	15	27.3	75	222
44	30.2	18	31.8	89	335
51	33.3	21	38.7	106	553
61	39.3	25	46.7	129	928

PVC-U PRESSURE FITTINGS PLAIN/THEADED (BSP)

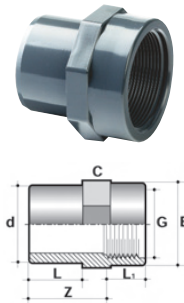
ADAPTOR - FEMALE PLAIN/MALE PLAIN/MALE THREADED



d x d ₁ x G	PART NO
12 x 16 x 3/8"	MTA-12-38-UPVC
16 x 20 x 3/8"	MTA-16-38-UPVC
16 x 20 x 1/2"	MTA-16-12-UPVC
20 x 25 x 3/8"	MTA-20-38-UPVC
20 x 25 x 1/2"	MTA-20-12-UPVC
20 x 25 x 3/4"	MTA-20-34-UPVC
25 x 32 x 1/2"	MTA-25-12-UPVC
25 x 32 x 3/4"	MTA-25-34-UPVC
25 x 32 x 1"	MTA-25-1-UPVC
32 x 40 x 3/4"	MTA-32-34UPVC
32 x 40 x 1"	MTA-32-1-UPVC
32 x 40 x 1 1/4"	MTA-32-114-UPVC
40 x 50 x 1"	MTA-40-1-UPVC
40 x 50 x 1 1/4"	MTA-40-114-UPVC
40 x 50 x 1 1/2"	MTA-40-112-UPVC
50 x 63 x 1 1/4"	MTA-50-114-UPVC
50 x 63 x 1 1/2"	MTA-50-112-UPVC
50 x 63 x 2"	MTA-50-2-UPVC
63 x 75 x 1 1/2"	MTA-63-112-UPVC
63 x 75 x 2"	MTA-63-2-UPVC
63 x 75 x 2 1/2"	MTA-63-212-UPVC
75 x 90 x 2"	MTA-75-2-UPVC
75 x 90 x 2 1/2"	MTA-75-212-UPVC
75 x 90 x 3"	MTA-75-3-UPVC
90 x 110 x 2 1/2"	MTA-90-212-UPVC
90 x 110 x 3"	MTA-90-3-UPVC
90 x 110 x 4"	MTA-90-4-UPVC
110 x 125 x 3"	MTA-110-3-UPVC
110 x 125 x 4"	MTA-110-4-UPVC
110 x 125 x 5"	MTA-110-5-UPVC

L	L ₁	L ₂	H	C	Wt (g)			
12	14	11.4	36	22	9			
14	16	11.4	40	24	10			
14	16	15	43	24	11			
16	19	11.4	43	30	15			
16	19	15	46	27	15			
16	19	16.3	47	30	18			
19	22	15	49	36	25			
19	22	16.3	50	36	26			
19	22	19.1	53	36	30			
22	26	16.3	54	42	35			
22	26	19.1	57	42	40			
22	26	21.4	60	46	45			
26	31	19.1	64	55	74			
26	31	21.4	66.5	55	75			
26	31	21.4	66.5	55	77			
31	38	21.4	74	65	120			
31	38	21.4	74	65	113			
31	38	25.7	78	65	120			
38	44	21.4	80	75	160			
38	44	25.7	84	75	150			
38	44	30.2	91	80	180			
44	51	25.7	94	95	280			
44	51	30.2	99	95	270			
44	51	33.3	102	95	288			
51	61	30.2	110	115	475			
51	61	33.3	110	115	490			
51	61	39.3	118	115	485			
61	69	33.3	115	130	485			
61	69	39.3	120	130	490			
61	69	43.6	125	130	530			

ADAPTOR - MALE PLAIN/FEMALE THREADED

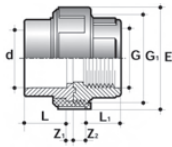


d x G	PART NO
16 x 3/8"	FTA-16-38-UPVC
16 x 1/2"	FTA-16-12-UPVC
20 x 1/2"	FTA-20-12-UPVC
20 x 3/4"	FTA-20-34-UPVC
25 x 1/2"	FTA-25-1-UPVC
25 x 3/4"	FTA-25-12-UPVC
25 x 1"	FTA-25-34-UPVC
32 x 3/4"	FTA-32-1-UPVC
32 x 1"	FTA-32-34-UPVC
40 x 1"	FTA-40-1-UPVC
40 x 1 1/4"	FTA-40-114-UPVC
50 x 1 1/4"	FTA-50-112-UPVC
50 x 1 1/2"	FTA-50-114-UPVC
50 x 2"	FTA-50-2-UPVC
63 x 1 1/2"	FTA-63-112-UPVC
63 x 2"	FTA-63-2-UPVC
75 x 2"	FTA-75-2-UPVC
75 x 2 1/2"	FTA-75-212-UPVC
75 x 3"	FTA-75-3-UPVC
90 x 2 1/2"	FTA-90-212-UPVC
90 x 3"	FTA-90-3-UPVC
90 x 4"	FTA-90-4-UPVC
110 x 3"	FTA-110-3-UPVC
110 x 4"	FTA-110-4-UPVC

L	L ₁	E	Z	C	Wt (g)			
14	11.4	23	22	24	10			
14	15	28	23	30	16			
16	15	28	24	30	20			
16	16.3	34	24	36	25			
19	15	28	27	30	20			
19	16.3	34	27	36	25			
19	19.1	42	27	46	40			
22	16.3	34	30	36	32			
22	19.1	42	30	46	43			
26	19.1	42	36	46	50			
26	21.4	51	36	55	65			
31	21.4	51	41	55	70			
31	21.4	58	41	60	80			
31	25.7	75	41	75	128			
38	21.4	60	49	65	124			
38	25.7	75	48	75	135			
44	25.7	75	53	75	160			
44	30.2	89	58	90	225			
44	33.3	103	58	105	295			
51	30.2	89	65	95	290			
51	33.3	103	66	105	310			
51	39.3	130	65	130	450			
61	33.3	103	76	130	440			
61	39.3	130	76	130	480			

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

UNION

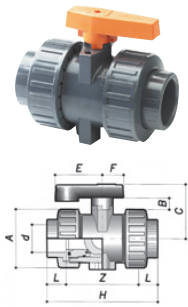


d x G	PART NO
16 x 3/8"	UT-16-UPVC
20 x 1/2"	UT-20-UPVC
25 x 3/4"	UT-25-UPVC
32 x 1"	UT-32-UPVC
40 x 1 1/4"	UT-40-UPVC
50 x 1 1/2"	UT-50-UPVC
63 x 2"	UT-63-UPVC
75 x 2 1/2"*	UT-75-UPVC
90 x 3"*	UT-90-UPVC
110 x 4"*	UT-110-UPVC

L	L ₁	Z ₁	Z ₂	G ₁	E	Wt (g)
14	11.4	3	12.6	3/4"	34	30
16	15	3	11	1"	42	42
19	16.3	3	12.7	1 1/4"	52	70
22	19.1	3	12.9	1 1/2"	59	95
26	21.4	3	16.6	2"	72	155
31	21.4	3	23.6	2 1/4"	79	210
38	25.7	3	30.3	2 3/4"	96	390
44	30.2	3	31.8	3 1/2"	119	625
51	33.3	5	35.7	4"	134	820
61	39.3	5	39.7	5"	163	1280

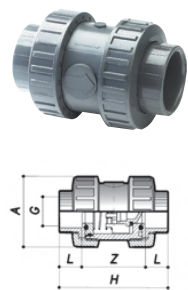
PVC-U MANUAL VALVES

INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS



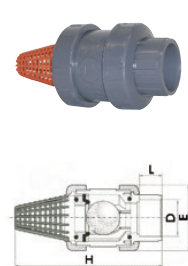
d	PART NO	L	Z	H	A	B	C	E	F	PN	Wt (g)
16	DUBV-16-UPVC	14	62	90	50	10	48	39	19	15	180
20	DUBV-20-UPVC	16	62	94	50	10	48	39	19	15	170
25	DUBV-25-UPVC	19	74	112	60	11	54	47	22	15	265
32	DUBV-32-UPVC	22	77	121	68	13	62	55	25	15	370
40	DUBV-40-UPVC	26	87	139	80	18	75	60	30	15	545
50	DUBV-50-UPVC	31	93	155	96	20	87	68	35	15	885
63	DUBV-63-UPVC	38	113	189	116	20	101	80	40	15	1440
75	DUBV-75-UPVC	44	116	204	145	25	123	90	45	10	2300
90	DUBV-90-UPVC	51	130	232	166	28	138	100	50	10	3655
110	DUBV-110-UPVC	61	150	272	210	28	160	120	60	10	6000

STANDARD SPRING CHECK NON RETURN VALVE - DOUBLE UNION - STAINLESS STEEL SPRING - EPDM SEALS - PLAIN ENDS



G	PART NO	L	Z	H	A	Class	Wt (g)			
16	DUCV-16-UPVC	14	48	76	50	E	120			
20	DUCV-20-UPVC	16	48	80	50	E	110			
25	DUCV-25-UPVC	19	53	91	60	E	168			
32	DUCV-32-UPVC	22	58	102	68	E	246			
40	DUCV-40-UPVC	26	68	120	80	E	360			
50	DUCV-50-UPVC	31	78	140	96	E	595			
63	DUCV-63-UPVC	38	93	169	116	E	970			
75	DUCV-75-UPVC	44	126	214	145	C	1740			
90	DUCV-90-UPVC	51	139	269	166	C	2810			
110	DUCV-110-UPVC	61	159	290	210	C	4690			

STANDARD SPRING TYPE FOOT VALVE STRAINER - DOUBLE UNION - EPDM SEAL - PLAIN ENDS



D	PART NO	L	H	E	Wt (g)					
20•	DUFV-20-UPVC	16	107	52	150					
25•	DUFV-25-UPVC	19	130	62	200					
32•	DUFV-32-UPVC	22	154	70	330					
40•	DUFV-40-UPVC	26	176	84	530					
50•	DUFV-50-UPVC	31	202	94	680					
63•	DUFV-63-UPVC	38	239	117	1230					
75•	DUFV-75-UPVC	44	306	148	2550					
90•	DUFV-90-UPVC	51	362	179	4550					
110•	DUFV-110-UPVC	61	367	179	4600					

PVC-U ACCESSORIES

INDUSTRIAL PIPE CLIP - BLACK P/P



TYPE B



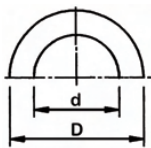
TYPE C



TYPE D

SIZE	PART NO	TYPE	d ₂	d ₃	Z ₁	Z ₂	B	C	D	E	Wt (g)
16	PPCLIP-16	1	10.5	5.5	14	16.5	23	10	6	16	6
20	PPCLIP-20	1	10.5	5.5	16.5	19	25	10	6	16	8
25	PPCLIP-25	1	10.5	5.5	19	21.5	27.5	10	6	16	10
32	PPCLIP-32	1	10.5	5.5	24	26.5	31	10	6	16	12
40	PPCLIP-40	2	14	6.5	33.5	33.5	35	10	6.5	22	26
50	PPCLIP-50	2	14	6.5	37	37	40	10	6.5	22	29
63	PPCLIP-63	2	17	8.5	44.5	44.5	51.5	10	6.5	25	48
75	PPCLIP-75	2	17	8.5	52	52	57.5	10	10	25	73
90	PPCLIP-90	2	17	8.5	64.5	64.5	65	10	10	28	107
110	PPCLIP-110	2	17	8.5	78	78	75	10	10	28	120

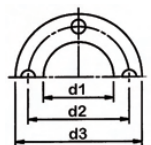
EPDM STUB GASKET



SIZE	PART NO	D	d	Wt (g)						
20	SFG-20	33	18	2						
25	SFG-25	40	23	3						
32	SFG-32	48	30	4						
40	SFG-40	58	33	6						
50	SFG-50	70	44	8						
63	SFG-63	87	60	11						
75	SFG-75	103	77	16						
90	SFG-90	121	85	21						
110	SFG-110	147	105	31						

STANDARD GASKETS ARE 3.0MM THICK

EPDM FULL FACE GASKET - BS4504 NP10/16



SIZE	PART NO	d ₃	d ₁	d ₂	Holes	Wt (g)				
20	PNFG-20	91	22	65	4	22				
25	PNFG-25	101	26	75	4	31				
32	PNFG-32	116	36	85	4	34				
40	PNFG-40	140	43	100	4	48				
50	PNFG-50	150	50	110	4	51				
63	PNFG-63	165	60	125	4	66				
75	PNFG-75	185	77	145	4	80				
90	PNFG-90	200	89	160	8	86				
110	PNFG-110	220	115	180	8	95				

STANDARD GASKETS ARE 3.0mm THICK. OTHER DRILLINGS ARE AVAILABLE TO ORDER
 PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET MATERIALS (IE FPM, PTFE ETC.)

PVC-U MANUAL VALVES

EPDM FULL FACE GASKET - ASA 150



SIZE	PART NO
20	ASAFG-20
25	ASAFG-25
32	ASAFG-32
40	ASAFG-40
50	ASAFG-50
63	ASAFG-63
75	ASAFG-75
90	ASAFG-90
110	ASAFG-110

d ₃	d ₁	d ₂	Holes	Wt (g)				
91	22	60	4	22				
101	26	70	4	31				
116	36	79	4	34				
140	43	89	4	48				
150	50	98	4	51				
165	60	121	4	66				
185	77	140	4	80				
200	89	152	4	86				
220	115	190	8	95				

STANDARD GASKETS ARE 3.0mm THICK. OTHER DRILLINGS ARE AVAILABLE TO ORDER
PRICES ARE ALSO AVAILABLE ON REQUEST FOR OTHER GASKET MATERIALS (IE FPM, PTFE ETC.)

GALVANISED MILD STEEL BACKING RING - BS4504 NP10/16



SIZE	PART NO
20	GBR-20
25	GBR-25
32	GBR-32
40	GBR-40
50	GBR-50
63	GBR-63
75	GBR-75
90	GBR-90
110	GBR-110

d ₃	d ₁	d ₂	Holes	Wt (g)				
95	28	65	4	300				
104	34	75	4	400				
111	42	85	4	500				
140	51	100	4	750				
152	62	110	4	900				
164	78	125	4	1000				
185	92	145	4	1200				
199	110	160	8	1300				
218	133	180	8	1400				

PVC-U BACKING RING - BS4504 NP10/16



SIZE	PART NO
20	UPVCBR-20
25	UPVCBR-25
32	UPVCBR-32
40	UPVCBR-40
50	UPVCBR-50
63	UPVCBR-63
75	UPVCBR-75
90	UPVCBR-90
110	UPVCBR-110

D	E	S	F	I	Holes	Wt (g)		
28	95	11	14	65	4	68		
34	105	12	14	75	4	90		
42	115	14	14	85	4	120		
51	142	15	18	100	4	195		
62	152	16	18	110	4	230		
78	165	18	18	125	4	280		
92	185	19	18	145	4	355		
110	200	20	18	160	8	430		
133	220	22	18	180	8	520		