



PVC-U METRIC

PVC-U CONTENTS

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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	
Temperature	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		
Temperature	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

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

PVC-U PRESSURE PIPES

METRIC GREY PVC-U PRESSURE PIPE TO EN1452-2

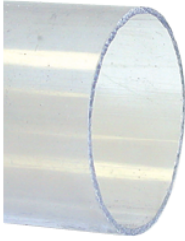


PVC-U METRIC

SIZE	PART NO	£/M	PRESSURE	WALL mm	PIPE ID mm	Wt (Kg/m)
16	022.P.01616PE		16	1.5	13.0	0.110
20	022.P.02016PE		16	1.5	17.0	0.140
25	022.P.02516PE		16	1.9	21.2	0.220
32	022.P.03216PE		16	2.4	27.2	0.360
40	022.P.04016PE		16	3.0	34.0	0.550
50	022.P.05010PE		10	2.4	45.2	0.570
	022.P.05016PE		16	3.7	42.6	0.840
63	022.P.06310PE		10	3.0	57.0	0.890
	022.P.06316PE		16	4.7	53.6	1.340
75	022.P.07510PE		10	3.6	67.8	1.270
	022.P.07516PE		16	5.6	63.8	1.900
90	022.P.09006PE		6	2.8	84.4	1.180
	022.P.09010PE		10	4.3	81.4	1.820
	022.P.09016PE		16	6.7	76.6	2.710
110	022.P.11006PE		6	2.7	104.6	1.450
	022.P.11010PE		10	4.2	101.6	2.200
	022.P.11016PE		16	6.6	96.8	3.320
125	022.P.12506PE		6	3.1	118.8	1.890
	022.P.12510PE		10	4.8	115.4	2.830
	022.P.12516PE		16	7.4	110.2	4.240
140	022.P.14006PE		6	3.5	133.0	2.400
	022.P.14010PE		10	5.4	129.2	3.610
	022.P.14016PE		16	8.3	123.4	5.390
160	022.P.16006PE		6	4.0	152.0	3.140
	022.P.16010PE		10	6.2	147.6	4.700
	022.P.16016PE		16	9.5	141.0	7.030
180	022.P.18006PE		6	4.4	171.2	3.870
	022.P.18010PE		10	6.9	166.2	5.890
	022.P.18016PE		16	10.7	158.6	8.890
200	022.P.20006PE		6	4.9	190.2	4.750
	022.P.20010PE		10	7.7	184.6	7.300
	022.P.20016PE		16	11.9	176.2	10.970
225	022.P.22506PE		6	5.5	214.0	6.000
	022.P.22510PE		10	8.6	207.8	9.170
	022.P.22516PE		16	13.4	198.2	13.900
250	022.P.25006PE		6	6.2	237.6	7.460
	022.P.25010PE		10	9.6	230.8	11.360
	022.P.25016PE		16	14.8	220.4	17.030
280	022.P.28006PE		6	6.9	266.2	9.310
	022.P.28010PE		10	10.7	258.6	14.160
	022.P.28016PE		16	16.6	246.8	21.330
315	022.P.31506PE		6	7.7	299.6	11.680
	022.P.31510PE		10	12.1	290.8	17.960
	022.P.31516PE		16	18.7	277.6	27.020
355	022.P.35506PE		6	8.7	337.6	15.010
	022.P.35510PE		10	13.6	327.8	22.780
400	022.P.40006PE		6	9.8	380.4	18.820
	022.P.40010PE		10	15.3	369.4	28.790
500	022.P.50006PE		6	12.3	475.4	29.400

PIPE IS SUPPLIED PLAIN ENDED
STANDARD PIPE LENGTH SUPPLIED IS 5.8 OR 6 METRES
PRICES FOR SPIGOT AND SOCKET/RUBBER RING PIPES ARE AVAILABLE ON REQUEST
PIPES WITH SPIGOT/SOCKET AND RUBBER RING ENDS MAY BE SUBJECT TO MINIMUM MANUFACTURING QUANTITIES
AND/OR LEAD TIMES

CLEAR PIPE WITH BLUE TINT

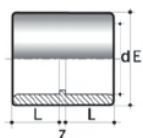


SIZE	PART NO	£/M	WALL mm	PIPE ID mm	Wt (Kg/m)
20 x 1.5	022.PC.02015		1.5	17	0.137
25 x 1.5	022.PC.02515		1.5	22	0.174
25 x 1.9	022.PC.02519		1.9	21.2	0.212
32 x 1.8	022.PC.03218		1.8	28.4	0.264
32 x 1.4	022.PC.03224		2.4	27.2	0.342
40 x 2.0	022.PC.04020		2.0	36	0.366
40 x 3.0	022.PC.04030		3.0	34	0.525
50 x 1.8	022.PC.05018		1.8	46.4	0.442
50 x 2.4	022.PC.05024		2.4	45.2	0.552
50 x 3.7	022.PC.05037		3.7	42.6	0.809
63 x 1.8	022.PC.06318		1.8	59.4	0.537
63 x 3.0	022.PC.06330		3.0	57	0.854
63 x 4.7	022.PC.06347		4.7	53.6	1.290
75 x 1.8	022.PC.07518		1.8	71.4	0.642
75 x 3.6	022.PC.07536		3.6	67.8	1.220
90 x 1.8	022.PC.09018		1.8	86.4	0.774
90 x 4.3	022.PC.09043		4.3	81.4	1.750
110 x 2.2	022.PC.11022		2.2	105.6	1.160
110 x 5.3	022.PC.11053		5.3	99.4	2.610
125 x 2.5	022.PC.12525		2.5	120	1.480
140 x 2.8	022.PC.14028		2.8	134.4	1.840
160 x 3.2	022.PC.16032		3.2	153.6	2.510
160 x 4.7	022.PC.16047		4.7	150.6	3.440

PLEASE NOTE: CLEAR PVC PIPE IS NOT SUITABLE FOR OUTDOOR USE WITHOUT ADEQUATE UV PROTECTION
STANDARD PIPE LENGTH SUPPLIED IS 5 METRES

PVC-U PRESSURE FITTINGS PLAIN

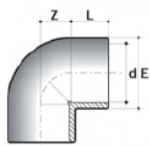
SOCKET



PVC-U METRIC

d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
16	022.011.016P		14	3	23.5	16 BAR	9				
20	022.011.020P		16	3	28	16 BAR	15				
25	022.011.025P		19	3	34	16 BAR	23				
32	022.011.032P		22	3	42	16 BAR	36				
40	022.011.040P		26	3	51	16 BAR	60				
50	022.011.050P		31	3	61	16 BAR	85				
63	022.011.063P		38	3	75	16 BAR	145				
75	022.011.075P		44	4	88	16 BAR	222				
90	022.011.090P		51	5	106	16 BAR	353				
110	022.011.110P		61	6	126	16 BAR	605				
125	022.011.125P		69	7	145	16 BAR	840				
140	022.011.140P		76	9	161	16 BAR	1100				
160	022.011.160P		86	8	181	16 BAR	1400				
180•	022.011.180K		96	8	209	10 BAR	2530				
200	022.011.200P		106	11	226	16 BAR	2660				
225	022.011.225P		119	11	258	16 BAR	4436				
250	022.011.250K		132.5	10	287	10 BAR	5800				
280	022.011.280K		147	10	320	10 BAR	7750				
280•	022.011.280I		146	8	314	8 BAR	6800				
315	022.011.315K		165	12	355	10 BAR	9820				
315•	022.011.315I		165	11	350	8 BAR	8700				
355•	022.011.355F		185	11	386	5 BAR	11200				
400•	022.011.400F		206	12	432	5 BAR	12900				
500•	022.011.500E		159	11	540	4 BAR	14700				

90° ELBOW



d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
16	022.031.016P		14	9	23.5	16 BAR	13				
20	022.031.020P		16	11	26.5	16 BAR	20				
25	022.031.025P		19	14	32.5	16 BAR	35				
32	022.031.032P		22	17	41	16 BAR	50				
40	022.031.040P		26	23	50	16 BAR	90				
50	022.031.050P		31	28	60	16 BAR	135				
63	022.031.063P		38	34	75	16 BAR	247				
75	022.031.075P		44	40	89	16 BAR	375				
90	022.031.090P		51	48	106	16 BAR	620				
110	022.031.110P		61	58	129.5	16 BAR	1060				
125	022.031.125P		69	66	145	16 BAR	1420				
140	022.031.140P		76	73	164	16 BAR	1990				
160	022.031.160P		86	81	188	16 BAR	3200				
180•	022.031.180K		97	103	209	10 BAR	4500				
200	022.031.200P		106	102	232	16 BAR	5850				
225	022.031.225P		119	115	258	16 BAR	7500				
250•	022.031.250K		131	127	284	10 BAR	9750				
280•	022.031.280I		146	149	321	8 BAR	14300				
315•	022.031.315I		164	158	355	8 BAR	17500				
355•	022.031.355F		184	177	393	5 BAR	20850				
400•	022.031.400F		206	202	439	5 BAR	26350				

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

90° SHORT RADIUS BEND



FIG. A

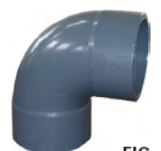
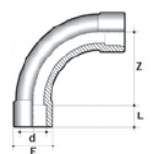
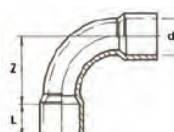


FIG. B



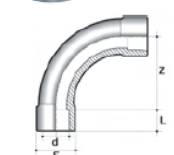
d	PART NO	PRICE	L	Z	E	FIG	RATED	Wt (g)				
20	022.051.020P		16	40	28	A	16 BAR	45				
25	022.051.025P		19	50	35	A	16 BAR	74				
32	022.051.032P		22	64	42	A	16 BAR	125				
40	022.051.040P		26	80	51	A	16 BAR	200				
50	022.051.050P		31	100	63	A	16 BAR	318				
63	022.051.063P		38	126	77	A	16 BAR	510				
75	022.051.075P		44	150	94	A	16 BAR	1015				
90	022.051.090P		51	180	113	A	16 BAR	1790				
110	022.051.110P		61	220	132	A	16 BAR	2860				
125•	022.051.125K		68	187	150	A	10 BAR	2970				
140•	022.051.140K		76	210	164	A	10 BAR	3130				
160•	022.051.160K		86	240	186	A	10 BAR	4680				
250	022.051.250K		131.5	187.5	286	B	10 BAR	12150				
280	022.051.280K		146	210	316	B	10 BAR	15620				
315	022.051.315K		162	239	358	B	10 BAR	23500				

90° BEND - MADE OF TUBE



d	PART NO	PRICE	L	Z	RATED	Wt (g)						
140•	022.131.140M		87	236	12.5 BAR	3240						
160•	022.131.160M		99	260	12.5 BAR	4190						
200•	022.131.200M		122	330	12.5 BAR	7730						
225•	022.131.225M		137	380	12.5 BAR	9930						
250•	022.131.250M		151	390	12.5 BAR	13630						
280•	022.131.280M		168	480	12.5 BAR	18910						
315•	022.131.315M		188	625	12.5 BAR	31230						

90° BEND - FABRICATED



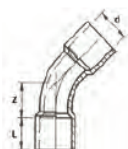
d	PART NO	PRICE	L	Z	E	RATED	Wt (g)					
180•	022.051.180E		96	270	212	4 BAR	6600					
200•	022.051.200E		106	300	225	4 BAR	7200					
225•	022.051.225E		100	337	251	4 BAR	10800					
250•	022.051.250E		100	375	275	4 BAR	11100					
280•	022.051.280E		100	420	310	4 BAR	17000					
315•	022.051.315E		165	472	348	4 BAR	25000					
355•	022.051.355E		184	532	386	4 BAR	37000					
400•	022.051.400E		206	600	432	4 BAR	43300					
500•	022.051.500E		159	750	540	2.5 BAR	55700					

• NON COMER PRODUCT

PVC-U METRIC

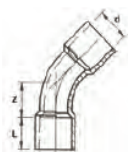
PVC-U PRESSURE FITTINGS PLAIN

45° BEND - MADE OF TUBE



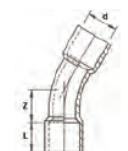
d	PART NO	PRICE	L	Z	RATED	Wt (g)					
32•	022.731.032P		25	26	16 BAR	50					
32•	022.731.032K		25	26	10 BAR	40					
40•	022.731.040P		30	36	16 BAR	100					
40•	022.731.040K		30	36	10 BAR	80					
50•	022.731.050P		35	40	16 BAR	160					
50•	022.731.050K		35	40	10 BAR	110					
63•	022.731.063P		43	46	16 BAR	280					
63•	022.731.063K		43	46	10 BAR	200					
75•	022.731.075P		51	54	16 BAR	413					
75•	022.731.075K		51	54	10 BAR	330					
90•	022.731.090P		58	63	16 BAR	744					
90•	022.731.090K		58	63	10 BAR	540					
110•	022.731.110M		70	80	12.5 BAR	960					
125•	022.731.125M		79	89	12.5 BAR	1500					
140•	022.731.140M		87	98	12.5 BAR	2290					
160•	022.731.160M		99	119	12.5 BAR	3330					
200•	022.731.200M		122	143	12.5 BAR	5620					
225•	022.731.225M		137	166	12.5 BAR	7270					
250•	022.731.250M		151	170	12.5 BAR	10080					
280•	022.731.280M		168	214	12.5 BAR	13650					
315•	022.731.315M		188	236	12.5 BAR	19610					

45° BEND - FABRICATED



d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
315•	022.731.315E		164		348	4 BAR	18000				
355•	022.731.355E		184		386	4 BAR	25000				
400•	022.731.400E		206		432	4 BAR	28700				
500•	022.731.500E		159		540	2.5 BAR	36700				

30° BEND - MADE OF TUBE

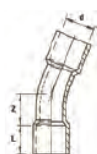


d	PART NO	PRICE	L	Z	RATED	Wt (g)					
90•	022.741.090K		58	65	10 BAR	530					
110•	022.741.110M		70	79	12.5 BAR	970					
125•	022.741.125M		79	92	12.5 BAR	1260					
140•	022.741.140M		87	106	12.5 BAR	3130					
160•	022.741.160M		99	122	12.5 BAR	3250					
200•	022.741.200M		122	147	12.5 BAR	5560					
225•	022.741.225M		137	155	12.5 BAR	7590					
250•	022.741.250M		151	195	12.5 BAR	10550					
280•	022.741.280M		168	213	12.5 BAR	13270					
315•	022.741.315M		188	240	12.5 BAR	18600					

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

22.5° BEND - MADE OF TUBE



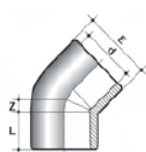
d	PART NO	PRICE	L	Z	RATED	Wt (g)					
90•	022.751.090K		58	48	10 BAR	520					
110•	022.751.110M		70	64	12.5 BAR	910					
125•	022.751.125M		79	75	12.5 BAR	1340					
140•	022.751.140M		87	81	12.5 BAR	1970					
160•	022.751.160M		99	92	12.5 BAR	3870					
200•	022.751.200M		122	127	12.5 BAR	4810					

15° BEND - MADE OF TUBE



d	PART NO	PRICE	L	RATED	Wt (g)						
90•	022.761.090M		51	12.5 BAR	300						
110•	022.761.110M		61	12.5 BAR	570						
125•	022.761.125M		69	12.5 BAR	850						
140•	022.761.140M		76	12.5 BAR	1320						
160•	022.761.160M		86	12.5 BAR	1870						
200•	022.761.200M		106	12.5 BAR	3420						
225•	022.761.225M		119	12.5 BAR	3750						
250•	022.761.250M		131	12.5 BAR	5400						
280•	022.761.280M		141	12.5 BAR	7010						
315•	022.761.315M		164	12.5 BAR	8700						

45° ELBOW



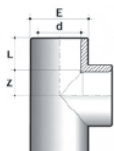
d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
16	022.041.016P		14	5.5	23	16 BAR	10				
20	022.041.020P		16	5.5	28	16 BAR	17				
25	022.041.025P		19	6	34	16 BAR	30				
32	022.041.032P		22	8	42	16 BAR	47				
40	022.041.040P		26	10	51	16 BAR	77				
50	022.041.050P		31	12	61	16 BAR	115				
63	022.041.063P		38	15	75	16 BAR	190				
75	022.041.075P		44	18	88	16 BAR	310				
90	022.041.090P		51	21	106	16 BAR	485				
110	022.041.110P		61	25	128	16 BAR	835				
125	022.041.125P		69	27	145	16 BAR	1065				
140	022.041.140P		76	32	164	16 BAR	1640				
160	022.041.160P		86	36	184	16 BAR	2100				
180•	022.041.180K		97	38	208	10 BAR	3480				
200	022.041.200P		106	43	232	16 BAR	4540				
225	022.041.225P		119	49	258	16 BAR	6200				
250	022.041.250K		131.5	58	287	10 BAR	7680				
280	022.041.280K		147	62	320	10 BAR	10350				
280•	022.041.280I		146	62	321	8 BAR	11300				
315	022.041.315K		165	66	360	10 BAR	14480				
315•	022.041.315I		164	68	355	8 BAR	13600				
355•	022.041.355F		184	77	393	5 BAR	16000				
400•	022.041.400F		206	83	439	5 BAR	20200				

• NON COMER PRODUCT

PVC-U METRIC

PVC-U PRESSURE FITTINGS PLAIN

EQUAL TEE



PVC-U METRIC

d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
16	022.061.016P		14	9	23.5	16 BAR	15				
20	022.061.020P		16	11	27.5	16 BAR	25				
25	022.061.025P		19	14	33.5	16 BAR	44				
32	022.061.032P		22	17	42	16 BAR	75				
40	022.061.040P		26	21	51	16 BAR	125				
50	022.061.050P		31	16	61	16 BAR	183				
63	022.061.063P		38	33	75	16 BAR	315				
75	022.061.075P		44	39	89	16 BAR	495				
90	022.061.090P		51	47	106	16 BAR	790				
110	022.061.110P		61	57	129.5	16 BAR	1330				
125	022.061.125P		69	64	145	16 BAR	1850				
140	022.061.140P		76	72	162.5	16 BAR	2610				
160	022.061.160P		86	81	188	16 BAR	4100				
180•	022.061.180K		97	93	209.5	10 BAR	5900				
200	022.061.200P		106	102	232	16 BAR	7200				
225	022.061.225P		119	114	258	16 BAR	9700				
250	022.061.250K		132.5	127	286	10 BAR	12070				
280	022.061.280K		147.5	142	319	10 BAR	17480				
280•	022.061.280I		146	144	320	8 BAR	17800				
315	022.061.315K		165	159	360	10 BAR	24350				
315•	022.061.315I		164	158	359	8 BAR	24100				
400•	022.061.400G		206	214		6 BAR	39900				

EQUAL TEE - FABRICATED

d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
355•	022.061.355E		184	294	386	4 BAR	35900				
400•	022.061.400E		206	280	432	4 BAR	39900				
500•	022.061.500E		159	485	540	2.5 BAR	55000				

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

REDUCING TEE



d x d ₁	PART NO	PRICE	L	L ₁	Z	Z ₁	E	E ₁	RATED	Wt (g)
20 x 16	022.081.020016P		16	14	11	11	27.5	23.5	16 BAR	25
25 x 16	022.081.025016P		19	16	14	14	33.5	28	16 BAR	40
25 x 20	022.081.025020P		19	14	14	14	33.5	23.5	16 BAR	42
32 x 16	022.081.032016P		22	14	17	17	42	23.5	16 BAR	68
32 x 20	022.081.032020P		22	16	17	17	42	28	16 BAR	69
32 x 25	022.081.032025P		22	19	17	17	42	33.5	16 BAR	70
40 x 16	022.081.040016P		26	14	21	21	51	23.5	16 BAR	100
40 x 20	022.081.040020P		26	16	21	21	51	28	16 BAR	112
40 x 25	022.081.040025P		26	19	21	21	51	34	16 BAR	115
40 x 32	022.081.040032P		26	22	21	21	51	42	16 BAR	118
50 x 20	022.081.050020P		31	16	26	26	61	28	16 BAR	155
50 x 25	022.081.050025P		31	19	26	26	61	34	16 BAR	166
50 x 32	022.081.050032P		31	22	26	26	61	42	16 BAR	170
50 x 40	022.081.050040P		31	26	26	26	61	51	16 BAR	178
63 x 20	022.081.063020P		38	16	33	33	75	28	16 BAR	268
63 x 25	022.081.063025P		38	19	33	33	75	34	16 BAR	270
63 x 32	022.081.063032P		38	22	33	33	75	42	16 BAR	283
63 x 40	022.081.063040P		38	26	33	33	75	51	16 BAR	288
63 x 50	022.081.063050P		38	31	33	33	75	61	16 BAR	292
75 x 32	022.081.075032P		44	22	39	39	89	42	16 BAR	463
75 x 40	022.081.075040P		44	26	39	39	89	51	16 BAR	465
75 x 50	022.081.075050P		44	31	39	39	89	61	16 BAR	465
75 x 63	022.081.075063P		44	38	39	39	89	75	16 BAR	478
90 x 40	022.081.090040P		51	26	47	47	106	51	16 BAR	702
90 x 50	022.081.090050P		51	31	47	47	106	61	16 BAR	740
90 x 63	022.081.090063P		51	38	47	47	106	75	16 BAR	740
90 x 75	022.081.090075P		51	44	47	47	106	89	16 BAR	760
110 x 50	022.081.110050P		61	31	57	57	129	61	16 BAR	1250
110 x 63	022.081.110063P		61	38	57	57	129	75	16 BAR	1200
110 x 75	022.081.110075P		61	44	57	57	129	89	16 BAR	1220
110 x 90	022.081.110090P		61	51	57	57	129	106	16 BAR	1250
125 x 63	022.081.125063P		69	44	66	66	148	75	16 BAR	1660
125 x 75	022.081.125075P		69	44	66	66	148	89	16 BAR	1700
125 x 90	022.081.125090P		69	51	66	66	148	106	16 BAR	1750
125 x 110	022.081.125110P		69	61	66	66	148	129	16 BAR	1830
140 x 75	022.081.140075P		76	44	72	72	163	89	16 BAR	2460
140 x 90	022.081.140090P		76	51	72	72	163	106	16 BAR	2490
140 x 110	022.081.140110P		76	61	72	72	163	129	16 BAR	2530
140 x 125	022.081.140125P		76	69	72	72	163	148	16 BAR	2590
160 x 90	022.081.160090P		86	51	82	82	184	106	16 BAR	3790
160 x 110	022.081.160110P		86	61	82	82	184	129	16 BAR	3840
160 x 125	022.081.160125P		86	69	82	82	184	148	16 BAR	3890
160 x 140	022.081.160140P		86	76	82	82	184	163	16 BAR	3940

PVC-U METRIC

PVC-U PRESSURE FITTINGS PLAIN

REDUCING TEE



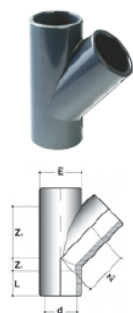
PVC-U METRIC

d x d1	PART NO	PRICE	L	L1	Z	Z1	E	E1	RATED	Wt (g)	
180 x 110	022.081.180110K		97	62	93	93	209	135	10 BAR	5550	
200 x 90	022.081.200090K		106	52	58	102	228	112	10 BAR	5200	
200 x 110	022.081.200110K		106	63	58	113	228	137	10 BAR	5200	
200 x 160	022.081.200160K		106	87	87	103	228	185	10 BAR	6200	
225 x 90	022.081.225090K		119.5	51	58	114	258	112	10 BAR	6550	
225 x 110	022.081.225110K		119.5	63	58	114	258	135	10 BAR	6600	
225 x 160	022.081.225160K		119.5	88	84	115	258	193	10 BAR	8300	
250 x 110	022.081.250110K		131	61	130	171	288	129	10 BAR	12700	
250 x 160	022.081.250160K		131	86	130	156	288	185	10 BAR	12800	
250 x 200	022.081.250200K		131	106	130	136	288	232	10 BAR	13100	
280 x 160	022.081.280160I		146	88	84	153	320	193	8 BAR	12500	
280 x 225	022.081.280225I		146	117.5	117	148.5	320	258	8 BAR	15200	
315 x 90	022.081.315090I		164	51	62	158	355	112	8 BAR	14300	
315 x 110	022.081.315110I		164	62	62	158	355	135	8 BAR	14350	
315 x 160	022.081.315160I		164	86	83	161	355	193	8 BAR	15150	
315 x 200	022.081.315200I		164	106	102	179	355	228	8 BAR	16600	
315 x 225	022.081.315225I		164	118.5	117	162	355	320	8 BAR	17500	
315 x 250	022.081.315250I		164	131	127	160	355	285	8 BAR	18300	
400 x 110	022.081.400110F		206	61	55	200	438	134	5 BAR	17800	
400 x 225	022.081.400225G		206	119	163	258			6 BAR	38980	
400 x 315	022.081.400315G		206	164	163	213			6 BAR	34340	

REDUCING TEE - FABRICATED

d x d1	PART NO	PRICE	L	L1	Z	Z1	E	E1	RATED	Wt (g)	
355 x 315	022.081.355315E		184	165	294	302	386	352	4 BAR	36000	
400 x 315	022.081.400315E		206	165	280	302	432	352	4 BAR	38700	
400 x 355	022.081.400355E		206	184	280	294	432	386	4 BAR	38500	
500 x 400	022.081.500400E		159	139	485	540	540	436	2.5 BAR	54000	

Y PIECE/45° TEE

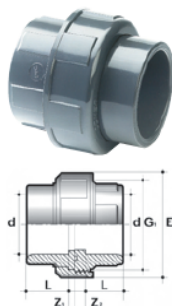


d	PART NO	PRICE	L	Z1	Z2	E	RATED	Wt (g)			
16	022.071.016P		14	5	25	23.5	16 BAR	24			
20	022.071.020P		16	7	29	27.5	16 BAR	36			
25	022.071.025P		19	7	36	33.5	16 BAR	59			
32	022.071.032P		22	8	44	42	16 BAR	103			
40	022.071.040P		26	10	54	50.5	16 BAR	175			
50	022.071.050P		31	12	65	61	16 BAR	254			
63	022.071.063P		38	14	80	74.5	16 BAR	420			
75	022.071.075K		44	18	101	91	10 BAR	690			
90	022.071.090K		51	20	122	106	10 BAR	1100			
110	022.071.110K		61	27	149	133	10 BAR	1950			
125	022.071.125K		69	30	167	146	10 BAR	3913			
140	022.071.140K		76	34	190	163	10 BAR	6035			
160	022.071.160K		86	35	200	189	10 BAR	6600			
200	022.071.200G		107	49	266		6 BAR	11720			
225	022.071.225G		120	55	297		6 BAR	16500			
250	022.071.250G		132	60	330		6 BAR	21470			

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

UNION

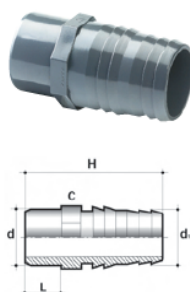


d	PART NO	PRICE	L	Z ₁	Z ₂	G ₁	E	RATED	Wt (g)			
16	022.021.016P		14	3	10	1/4"	34	16 BAR	30			
20	022.021.020P		16	3	10	1"	42	16 BAR	41			
25	022.021.025P		19	3	10	1 1/4"	52	16 BAR	67			
32	022.021.032P		22	3	10	1 1/2"	59	16 BAR	90			
40	022.021.040P		26	3	12	2"	72	16 BAR	135			
50	022.021.050P		31	3	14	2 1/4"	79	16 BAR	206			
63	022.021.063P		38	3	18	2 3/4"	96	16 BAR	360			
75	022.021.075P		44	3	18	3 1/2"	119	10 BAR	580			
90	022.021.090P		51	5	18	4"	134	10 BAR	777			
110	022.021.110P		61	5	18	5"	163	10 BAR	1150			

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

PVC-U METRIC

HOSE ADAPTOR - MALE SPIGOT x MM HOSE TAIL

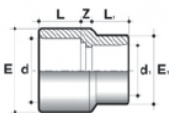


d x d ₁	PART NO	PRICE	L	H	C	Wt (g)						
12 x 12	022.261.012012		11	52	19	8						
16 x 16	022.261.016016		14	66	19	15						
20 x 20	022.261.020020		16	70	24	23						
25 x 25	022.261.025025		19	79	27	30						
32 x 32	022.261.032032		22	83	36	50						
40 x 40	022.261.040040		26	96	46	73						
50 x 50	022.261.050050		31	108	55	137						
63 x 63	022.261.063063		38	130	65	208						

FULL RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

PVC-U PRESSURE FITTINGS PLAIN

REDUCING SOCKET

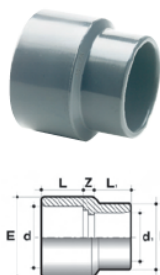


PVC-U METRIC

d x d ₁	PART NO	PRICE	L	L ₁	Z	E	E ₁	RATED	Wt (g)			
20 x 16	022.601.020016P		16	14	6	28	23	16 BAR	15			
25 x 16	022.601.025016P		19	14	9.5	32	23	16 BAR	21			
25 x 20	022.601.025020P		19	16	6	34	28	16 BAR	25			
32 x 20	022.601.032020P		22	16	9	40	28	16 BAR	25			
32 x 25	022.601.032025P		22	19	6	42	33	16 BAR	35			
40 x 20	022.601.040020P		26	16	9	50	28	16 BAR	54			
40 x 25	022.601.040025P		28	19	12	50	33	16 BAR	49			
40 x 32	022.601.040032P		26	22	6	51	41	16 BAR	58			
50 x 25	022.601.050025P		32	19	19	63	33	16 BAR	85			
50 x 32	022.601.050032P		31	22	12	63	41	16 BAR	100			
50 x 40	022.601.050040P		31	26	6	61	50	16 BAR	80			
63 x 40	022.601.063040P		38	26	17.2	75	50	16 BAR	140			
63 x 50	022.601.063050P		38	31	6	75	60.5	16 BAR	120			
75 x 40	022.601.075040P		44	26	22.5	90	50	16 BAR	270			
75 x 50	022.601.075050P		44	31	17.5	90	60.5	16 BAR	295			
75 x 63	022.601.075063P		44	38	6	89	75	16 BAR	210			
90 x 40	022.601.090040P		51	26	32.8	110	50	16 BAR	440			
90 x 50	022.601.090050P		51	31	28	110	60.5	16 BAR	470			
90 x 63	022.601.090063P		51	38	21.5	110	75	16 BAR	500			
90 x 75	022.601.090075P		51	44	6	106	88	16 BAR	300			
110 x 50	022.601.110050P		61	31	34	125	60.5	16 BAR	480			
110 x 63	022.601.110063P		61	38	27.5	125	75	16 BAR	500			
110 x 75	022.601.110075P		61	44	22.8	125	88	16 BAR	520			
110 x 90	022.601.110090P		61	51	6	129	106	16 BAR	510			
125 x 90	022.601.125090P		69	51	23.8	140	106	16 BAR	575			
125 x 110	022.601.125110P		69	61	7	145	128	16 BAR	740			
140 x 90	022.601.140090P		76	51	23.5	160	106	16 BAR	850			
140 x 110	022.601.140110P		76	61	19	160	128	16 BAR	1140			
140 x 125	022.601.140125P		76	69	19	160	145	16 BAR	1040			
160 x 110	022.601.160110P		86	61	28	180	129	16 BAR	1250			
160 x 125	022.601.160125K		86	69	31	190	155	10 BAR	2080			
160 x 140	022.601.160140P		86	76	8	184	164	16 BAR	1350			
180 x 110	022.601.180110K		95	62	61	214	138	10 BAR	2500			
180 x 125	022.601.180125K		95	68	48	214	154	10 BAR	2700			
180 x 140	022.601.180140K		95	76	35	214	170	10 BAR	2700			
180 x 160	022.601.180160K		95	86	17	214	190	10 BAR	2800			
200 x 110	022.601.200110K		106	61	78	234	138	10 BAR	3100			
200 x 125	022.601.200125K		106	68	65	234	154	10 BAR	3100			
200 x 140	022.601.200140K		106	76	52	234	170	10 BAR	3200			
200 x 160	022.601.200160K		106	86	49	226	180	10 BAR	2560			
200 x 180	022.601.200180K		106	95	17	234	214	10 BAR	3300			
225 x 110	022.601.225110K		103	62	100	258	138	10 BAR	4000			
225 x 125	022.601.225125K		103	68	88	258	154	10 BAR	4000			
225 x 140	022.601.225140K		103	76	74	258	170	10 BAR	3800			
225 x 160	022.601.225160K		103	86	57	258	190	10 BAR	4000			
225 x 180	022.601.225180K		103	95	40	258	214	10 BAR	3500			
225 x 200	022.601.225200K		119	106	11	258	227	10 BAR	3500			
250 x 110	022.601.250110K		106	62	122	283	138	10 BAR	4500			
250 x 125	022.601.250125K		106	68	108	283	154	10 BAR	4700			
250 x 140	022.601.250140K		106	76	96	283	170	10 BAR	4600			
250 x 160	022.601.250160K		106	86	78	283	190	10 BAR	4700			
250 x 180	022.601.250180K		106	95	62	283	214	10 BAR	4600			
250 x 200	022.601.250200K		106	102	44	283	234	10 BAR	4500			
250 x 225	022.601.250225K		106	103	22	283	258	10 BAR	4900			

PVC-U PRESSURE FITTINGS PLAIN

REDUCING SOCKET



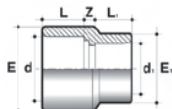
d x d ₁	PART NO	PRICE	L	L ₁	Z	E	E ₁	RATED	Wt (g)		
280 x 110	022.601.280110I		102	62	150	317	138	8 BAR	5400		
280 x 125	022.601.280125I		102	68	136	317	154	8 BAR	5400		
280 x 140	022.601.280140I		102	76	123	317	170	8 BAR	5400		
280 x 160	022.601.280160I		102	89	105	317	190	8 BAR	5700		
280 x 180	022.601.280180I		102	95	87	317	214	8 BAR	5700		
280 x 200	022.601.280200I		102	102	70	317	234	8 BAR	5800		
280 x 225	022.601.280225I		102	103	47	317	258	8 BAR	5500		
280 x 250	022.601.280250I		102	105	26	317	283	8 BAR	5400		
315 x 160	022.601.315160I		105	86	135	355	190	8 BAR	6400		
315 x 180	022.601.315180I		105	95	117	355	214	8 BAR	6600		
315 x 200	022.601.315200I		105	102	100	355	234	8 BAR	6800		
315 x 225	022.601.315225I		105	103	79	355	258	8 BAR	7200		
315 x 250	022.601.315250I		105	105	57	355	283	8 BAR	6800		
315 x 280	022.601.315280I		105	101	31	355	317	8 BAR	7100		
355 x 315	022.601.355315F		105	105	35	394	355	5 BAR	7500		
400 x 160	022.601.400160F		105	86	219	435	190	5 BAR	10550		
400 x 225	022.601.400225F		105	103	162	435	263	5 BAR	11300		
400 x 280	022.601.400280F		105	110	100	435	320	5 BAR	9800		
400 x 315	022.601.400315F		105	105	75	435	355	5 BAR	9500		
400 x 355	022.601.400355F		105	105	40	435	394	5 BAR	9000		
500 x 400	022.601.500400E		159	139	90	540	436	4 BAR	16100		

PVC-U METRIC

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

REDUCING PIECE - FEMALE/MALE/FEMALE

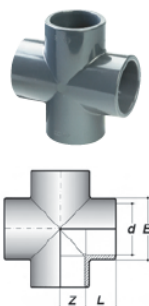


PVC-U METRIC

d x d ₁	PART NO	PRICE	L	L ₁	L ₂	Z	E	RATED	Wt (g)			
20 x 25 x 16	022.561.020016P		16	14	19	6	23	16 BAR	15			
20 x 25 x 20	022.561.020020P		16	16	19	6	28	16 BAR	17			
25 x 32 x 16	022.561.025016P		19	14	22	6	23	16 BAR	21			
25 x 32 x 20	022.561.025020P		19	16	22	6	28	16 BAR	25			
25 x 32 x 25	022.561.025025P		19	19	22	6	33	16 BAR	28			
32 x 40 x 20	022.561.032020P		22	16	24	9	28	16 BAR	27			
32 x 40 x 25	022.561.032025P		22	19	24	8	33	16 BAR	28			
32 x 40 x 32	022.561.032032P		22	22	26	9	41	16 BAR	38			
40 x 50 x 20	022.561.040020P		26	16	31	9	28	16 BAR	54			
40 x 50 x 25	022.561.040025P		28	19	31	12	33	16 BAR	49			
40 x 50 x 32	022.561.040032P		28	22	31	9	41	16 BAR	53			
40 x 50 x 40	022.561.040040P		26	26	31	10	50	16 BAR	75			
50 x 63 x 25	022.561.050025P		32	19	38	19	33	16 BAR	85			
50 x 63 x 32	022.561.050032P		31	22	38	12	41	16 BAR	100			
50 x 63 x 40	022.561.050040P		31	26	38	12	50	16 BAR	110			
50 x 63 x 50	022.561.050050P		31	31	38	12	60.5	16 BAR	110			
63 x 75 x 40	022.561.063040P		38	26	44	17.2	50	16 BAR	140			
63 x 75 x 50	022.561.063050P		38	31	44	12.3	60.5	16 BAR	130			
63 x 75 x 63	022.561.063063P		38	38	44	3	75	16 BAR	140			
75 x 90 x 40	022.561.075040P		44	26	51	22.5	50	16 BAR	270			
75 x 90 x 50	022.561.075050P		44	31	51	17.5	60.5	16 BAR	295			
75 x 90 x 63	022.561.075063P		44	38	51	11.1	75	16 BAR	320			
75 x 90 x 75	022.561.075075P		44	44	51	3	88	16 BAR	345			
90 x 110 x 40	022.561.090040P		51	26	61	32.8	50	16 BAR	440			
90 x 110 x 50	022.561.090050P		51	31	61	28	60.5	16 BAR	470			
90 x 110 x 63	022.561.090063P		51	38	61	21.5	75	16 BAR	500			
90 x 110 x 75	022.561.090075P		51	44	61	15.7	88	16 BAR	525			
90 x 110 x 90	022.561.090090P		51	51	61	5	106	16 BAR	550			
110 x 125 x 50	022.561.110050P		61	31	69	34	60.5	16 BAR	480			
110 x 125 x 63	022.561.110063P		61	38	69	27.5	75	16 BAR	500			
110 x 125 x 75	022.561.110075P		61	44	69	22.8	88	16 BAR	520			
110 x 125 x 90	022.561.110090P		61	51	69	17	106	16 BAR	530			
110 x 125 x 110	022.561.110110P		61	61	69	5	129	16 BAR	610			
125 x 140 x 90	022.561.125090P		69	51	76	23.8	106	16 BAR	575			
125 x 140 x 110	022.561.125110P		69	61	76	17	129	16 BAR	645			
125 x 140 x 125	022.561.125125P		69	69	76	6	145	16 BAR	590			
140 x 160 x 90	022.561.140090P		76	51	86	23.5	106	16 BAR	850			
140 x 160 x 110	022.561.140110P		76	61	86	18	129	16 BAR	905			
140 x 160 x 125	022.561.140125P		76	69	86	8	145	16 BAR	960			
140 x 160 x 140	022.561.140140P		76	76	86	8	164	16 BAR	990			

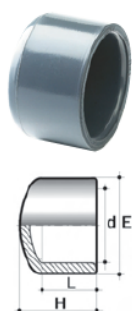
PVC-U PRESSURE FITTINGS PLAIN

CROSS



d	PART NO	PRICE	L	Z	E	RATED	Wt (g)				
16•	022.191.016P		14	9.5	23.5	16 BAR	23				
20	022.191.020P		16	11	27.5	16 BAR	30				
25	022.191.025P		19	14	33.5	16 BAR	60				
32	022.191.032P		22	17	42	16 BAR	110				
40	022.191.040P		26	21	51	16 BAR	180				
50	022.191.050P		31	26	61	16 BAR	270				
63	022.191.063P		38	33	75	16 BAR	510				
75	022.191.075K		44	40	89	10 BAR	776				
90	022.191.090K		51	46	106	10 BAR	933				
110	022.191.110K		61	56	129.5	10 BAR	1588				

CAP



d	PART NO	PRICE	L	H	E	RATED	Wt (g)				
16	022.221.016P		14	22	23	16 BAR	7				
20	022.221.020P		16	27	28	16 BAR	10				
25	022.221.025P		19	31	33	16 BAR	18				
32	022.221.032P		22	36	41	16 BAR	30				
40	022.221.040P		28	43	52	16 BAR	45				
50	022.221.050P		32	49	60.5	16 BAR	70				
63	022.221.063P		39	57	75	16 BAR	120				
75	022.221.075P		44	67	89	16 BAR	178				
90	022.221.090P		51	80	106	16 BAR	295				
110	022.221.110P		61	95	129	16 BAR	490				
125	022.221.125P		69	102	145	16 BAR	680				
140	022.221.140P		76	114	161	16 BAR	920				
160	022.221.160P		86	126	181	16 BAR	1146				
200	022.221.200K		106	145	227	16 BAR	2048				
225	022.221.225P		119	160	254	16 BAR	2684				
250•	022.221.250K		131	208	286	10 BAR	5530				
315•	022.221.315K		164	234	357	10 BAR					
400•	022.221.400E		206	332	434	4 BAR	13300				

PVC-U METRIC

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

REDUCING BUSH



PVC-U METRIC



d x d ₁	PART NO	PRICE	L	L ₁	Z	FIG	RATED	Wt (g)				
20 x 16	022.091.020016P		16	14	2	A	16 BAR	5				
25 x 16	022.091.025016P		19	14	5	A	16 BAR	10				
25 x 20	022.091.025020P		19	16	3	A	16 BAR	6				
32 x 16	022.091.032016P		22	14	8	B	16 BAR	15				
32 x 20	022.091.032020P		22	16	6	A	16 BAR	15				
32 x 25	022.091.032025P		22	19	3	A	16 BAR	10				
40 x 20	022.091.040020P		26	16	10	B	16 BAR	29				
40 x 25	022.091.040025P		26	19	7	A	16 BAR	28				
40 x 32	022.091.040032P		26	22	4	A	16 BAR	19				
50 x 25	022.091.050025P		33	19	14	B	16 BAR	45				
50 x 32	022.091.050032P		33	22	9	B	16 BAR	45				
50 x 40	022.091.050040P		33	28	5	A	16 BAR	35				
63 x 25	022.091.063025P		38	19	19	B	16 BAR	86				
63 x 32	022.091.063032P		38	22	16	B	16 BAR	83				
63 x 40	022.091.063040P		38	26	12	B	16 BAR	83				
63 x 50	022.091.063050P		38	31	7	A	16 BAR	61				
75 x 32	022.091.075032P		44	22	22	B	16 BAR	135				
75 x 40	022.091.075040P		44	26	18	B	16 BAR	125				
75 x 50	022.091.075050P		44	31	14	B	16 BAR	122				
75 x 63	022.091.075063P		44	38	6	A	16 BAR	85				
90 x 50	022.091.090050P		51	31	20	B	16 BAR	205				
90 x 63	022.091.090063P		51	38	13	B	16 BAR	180				
90 x 75	022.091.090075P		51	44	7	A	16 BAR	140				
110 x 63	022.091.110063P		61	38	23	B	16 BAR	372				
110 x 75	022.091.110075P		61	44	17	B	16 BAR	342				
110 x 90	022.091.110090P		61	51	10	A	16 BAR	266				
125 x 75	022.091.125075P		69	44	25	B	16 BAR	440				
125 x 90	022.091.125090P		69	51	18	B	16 BAR	373				
125 x 110	022.091.125110P		69	61	8	A	16 BAR	260				
140 x 90	022.091.140090P		76	51	25	B	16 BAR	600				
140 x 110	022.091.140110P		76	61	15	B	16 BAR	480				
140 x 125	022.091.140125P		76	69	7	A	16 BAR	335				
160 x 90	022.091.160090P		88	56	30	B	16 BAR	850				
160 x 110	022.091.160110P		88	63	25	B	16 BAR	820				
160 x 125	022.091.160125P		88	71	17	B	16 BAR	745				
160 x 140	022.091.160140P		86	76	10	A	16 BAR	565				
180 x 125	022.091.180125P		96	69	27	B	16 BAR	1150				
180 x 140	022.091.180140P		96	76	20	B	16 BAR	1020				
180 x 160	022.091.180160P		96	86	10	A	16 BAR	705				
200 x 110•	022.091.200110K		106	61	45	B	10 BAR	1750				
200 x 125•	022.091.200125K		106	69	37	B	10 BAR	1850				
200 x 140•	022.091.200140K		106	77	29	B	10 BAR	1645				
200 x 160	022.091.200160P		106	86	20	B	16 BAR	1360				
200 x 180	022.091.200180P		106	96	10	A	16 BAR	870				
225 x 110•	022.091.225110K		119	61	57	B	10 BAR	2300				
225 x 125•	022.091.225125K		119	69	49	B	10 BAR	1925				
225 x 140•	022.091.225140K		119	77	41	B	10 BAR	2360				
225 x 160	022.091.225160P		119	86	33	B	16 BAR	1700				
225 x 180•	022.091.225180K		119	96	22	A	10 BAR	2250				
225 x 200	022.091.225200P		119	106	13	A	16 BAR	1360				

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

REDUCING BUSH



FIG. A

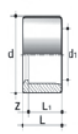
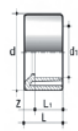


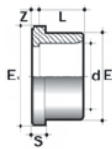
FIG. B



d x d ₁	PART NO	PRICE	L	L ₁	Z	FIG	RATED	Wt (g)			
250 x 140•	022.091.250140K		132	77	55	B	10 BAR	3350			
250 x 160	022.091.250160K		134	87	47	B	10 BAR	2184			
250 x 180•	022.091.250180K		132	96	36	B	10 BAR	3300			
250 x 200	022.091.250200K		134	107	27	B	10 BAR	2700			
250 x 225	022.091.250225K		132	120	12	A	10 BAR	2100			
280 x 200•	022.091.280200I		146	106	40	B	8 BAR	4100			
280 x 225	022.091.280225K		147	120	27	B	10 BAR	3090			
280 x 225•	022.091.280225I		146	119	27	B	8 BAR	3200			
280 x 250	022.091.280250K		147	132	15	A	10 BAR	2520			
280 x 250•	022.091.280250I		146	131	15	A	8 BAR	2400			
315 x 160•	022.091.315160I		163	86	77	B	8 BAR	5600			
315 x 200	022.091.315200K		165	107	58	B	10 BAR	8550			
315 x 200•	022.091.315200I		163	106	57	B	8 BAR	5000			
315 x 225	022.091.315225K		165	132	33	B	10 BAR	8085			
315 x 225•	022.091.315225I		163	119	44	B	8 BAR	4500			
315 x 250	022.091.315250K		165	132	33	B	10 BAR	4100			
315 x 250•	022.091.315250I		163	131	32	B	8 BAR	5000			
315 x 280	022.091.315280K		165	149	16	A	10 BAR	4630			
315 x 280•	022.091.315280I		163	146	17	A	8 BAR	3600			
355 x 315•	022.091.355315F		184	163	21	A	5 BAR	5500			
400 x 315•	022.091.400315F		206	163	42	B	5 BAR	10200			
400 x 355•	022.091.400355F		206	184	21	A	5 BAR	7500			

PVC-U METRIC

STUB FLANGE

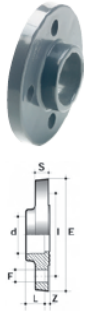


d	PART NO	PRICE	L	Z	S	E	E ₁	RATED	Wt (g)		
20	022.111.020P		16	3	6	27	34	16 BAR	10		
25	022.111.025P		19	3	7	33	41	16 BAR	16		
32	022.111.032P		22	3	7	41	50	16 BAR	25		
40	022.111.040P		26	3	8	50	61	16 BAR	40		
50	022.111.050P		31	3	8	61	73	16 BAR	60		
63	022.111.063P		38	3	9	76	90	16 BAR	113		
75	022.111.075P		44	3	10	90	106	16 BAR	160		
90	022.111.090P		51	5	11	108	125	16 BAR	263		
110	022.111.110P		61	5	12	131	150	16 BAR	430		
125	022.111.125P		69	5	12	147	167	16 BAR	540		
140	022.111.140P		77	7	13	163	187	16 BAR	750		
160	022.111.160P		86	6	16	185	213	16 BAR	1024		
180•	022.111.180K		93	8	15	201	247	10 BAR	1215		
200	022.111.200P		106	7	18	231	253	16 BAR	1887		
225	022.111.225P		119	8	19	247	274	16 BAR	1746		
250	022.111.250K		131	10	20	273	307	10 BAR	2320		
280	022.111.280K		142	10	23	308	329	10 BAR	3036		
280•	022.111.280I		145	8.5	27	306	327	8 BAR	2900		
315	022.111.315K		161	11	27	346	379	10 BAR	4578		
315•	022.111.315I		164	8.5	30	342	378	8 BAR	4100		
355•	022.111.355G		184	8	30	386	431	5 BAR	6050		
400•	022.111.400G		206	12	30	432	483	5 BAR	8100		
450•	022.111.450E		155	8	30	487	540	4 BAR	8100		
500•	022.111.500E		153	8	31	532	574	4 BAR	7400		

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

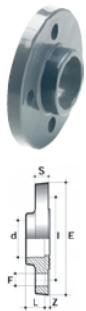
FULL FACE FLANGE - BS4504 NP10/16



d	PART NO	PRICE	L	Z	E	S	I	F	HOLES	Bolt Dia	Wt (g)
20	022.141.020Z		16	4.5	95	11	65	14	4	M12	78
25	022.141.025Z		19	4.5	105	12	75	14	4	M12	105
32	022.141.032Z		22	4.5	115	14	85	14	4	M12	143
40	022.141.040Z		26	4.5	142	15	100	18	4	M16	220
50	022.141.050Z		31	4.5	152	16	110	18	4	M16	280
63	022.141.063Z		38	4.5	165	18	125	18	4	M16	380
75	022.141.075Z		44	6	185	19	145	18	4	M16	505
90	022.141.090Z		51	7	200	20	160	18	8	M16	685
110	022.141.110Z		61	8	220	22	180	18	8	M16	940

PVC-U METRIC

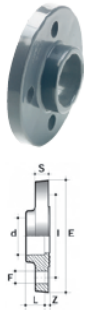
FULL FACE FLANGE - BS4504 NP10



d	PART NO	PRICE	L	Z	E	S	I	F	HOLES	Bolt Dia	Wt (g)
*125•	022.141.125Y		69	5	235	26	210	18	8	M16	1329
140•	022.141.140Y		76	5	250	26	210	18	8	M16	1480
160•	022.141.160Y		86	5	287	30	240	22	8	M20	2300
200•	022.141.200Y		106	7	340	36	295	22	8	M20	3093
225•	022.141.225Y		119	7	344	33	295	22	8	M20	3450
250•	022.141.250Y		131	9	400	36	350	22	12	M20	4185
280•	022.141.280Y		146	9	395	36	350	22	12	M20	4535
315•	022.141.315Y		164	10	445	36	400	22	12	M20	5740

* 125mm FULL FACE FLANGES HAVE A 5" NP10 DRILLING

FULL FACE FLANGE - ASA 150



d	PART NO	PRICE	L	Z	E	S	I	F	HOLES	Bolt Dia	Wt (g)
25•	022.141.025X		20	4.5	100	18	70	16	4	M12	180
32•	022.141.032X		29	4.5	115	17	79	16	4	M12	240
40•	022.141.040X		32	4.5	119	19	89	16	4	M12	280
50•	022.141.050X		36	4.5	129	24	98	16	4	M12	400
63•	022.141.063X		42	4.5	165	20	121	19	4	M16	440
75•	022.141.075X		47	4.5	189	23	140	19	4	M16	860
90•	022.141.090X		52	6	193	27	152	19	4	M16	950
110•	022.141.110X		64	7	233	27	190	19	8	M16	1400
160•	022.141.160X		86	8	287	30	241	22	8	M20	2300

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN

BLANK FLANGE - BS4504 NP10/16



SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
20	021.161.02Z		95	65	14	4	M12	75			
25	021.161.03Z		105	75	14	4	M12	100			
32	021.161.04Z		115	85	14	4	M12	137			
40	021.161.05Z		142	100	18	4	M16	225			
50	021.161.06Z		152	110	18	4	M16	280			
63	021.161.07Z		165	125	18	4	M16	355			
75	021.161.08Z		185	145	18	4	M16	488			
90	021.161.09Z		200	160	18	8	M16	640			
110	021.161.10Z		220	180	18	8	M16	825			
125	022.161.125Z		230	190	18	8	M16	950			
140	021.161.11Z		250	210	18	8	M16	1165			
160	021.161.12Z		283	240	22	8	M20	1589			

PVC-U METRIC

BLANK FLANGE - BS4504 NP10



SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
180•	022.161.180Y		318	270	22	8	M20	3100			
200•	021.161.13Y		345	295	22	8	M20	3550			
225•	021.161.13Y		345	295	22	8	M20	3550			
250•	021.161.14Y		399	350	22	8	M20	4600			
280•	021.161.14Y		399	350	22	12	M20	4600			
315•	021.161.15Y		450	400	22	12	M20	7100			
355•	021.161.16Y		505	460	23	16	M20	6920			
400•	021.161.17Y		565	515	26	16	M24	8940			

BLANK FLANGE - ASA 150

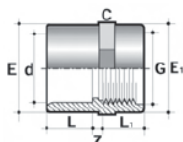


SIZE	PART NO	PRICE	E	I	F	HOLES	Bolt Dia	Wt (g)			
32•	021.161.04X		115	79	16	4	M12	220			
40•	021.161.05X		119	89	16	4	M12	430			
50•	021.161.06X		129	98	16	4	M12	440			
63•	021.161.07X		165	121	19	4	M16	520			
75•	021.161.08X		189	140	19	4	M16	800			
90•	021.161.09X		193	152	19	4	M16	1020			
110•	021.161.10X		233	190	19	8	M16	1270			
160•	021.161.12X		287	241	22	8	M20	2400			

• NON COMER PRODUCT

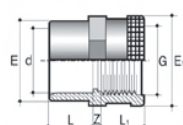
PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

SOCKET



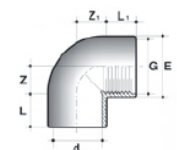
d x G	PART NO	PRICE	L	L ₁	Z	E	E ₁	C	Wt (g)			
16 x 3/8"	023.012.01601K		14	11.4	3	23.5	23.5	24	9			
20 x 1/2"	023.012.02002K		16	15	4	28	28	30	18			
25 x 3/4"	023.012.02503K		19	16.3	4	34	34	34	25			
32 x 1"	023.012.03204K		22	19.1	5	42	42	42	38			
40 x 1 1/4"	023.012.04005K		26	21.4	5	50	50	55	68			
50 x 1 1/2"	023.012.05006K		31	21.4	5	61	57.5	65	95			
63 x 2"	023.012.06307K		38	25.7	5	75	71.5	75	165			
75 x 2 1/2"	023.012.07508K		44	30.2	5	89	88.5	90	215			
90 x 3"	023.012.09009K		51	33.3	8	106	106	110	340			
110 x 4"	023.012.11010K		61	39.3	8	129	129	129	505			
125 x 5"	023.012.12511K		69	43.6	41	145	144		1080			

SOCKET - S/S REINFORCED



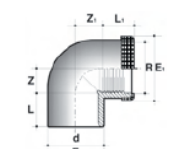
d x G	PART NO	PRICE	L	L ₁	Z	E	E ₁	Wt (g)				
20 x 1/2"	023.342.02002P		16	15	4	28	29	23				
25 x 3/4"	023.342.02503P		19	16.3	6	34	35	32				
32 x 1"	023.342.03204P		22	19.1	6	42	43	47				
40 x 1 1/4"	023.342.04005P		26	21.4	8	50.5	51.5	78				
50 x 1 1/2"	023.342.05006P		31	21.4	13	61	62	107				
63 x 2"	023.342.06307P		38	25.7	15	75	76	180				

90° ELBOW



d x G	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)				
16 x 3/8"	023.032.01601K		14	11.4	9	11.6	23.5	13				
20 x 1/2"	023.032.02002K		16	15	11	12	26.5	20				
25 x 3/4"	023.032.02503K		19	16.3	14	16	32.5	35				
32 x 1"	023.032.03204K		22	19.1	17	19.7	41	60				
40 x 1 1/4"	023.032.04005K		26	21.4	23	19.9	50	90				
50 x 1 1/2"	023.032.05006K		31	21.4	28	27.6	60	155				
63 x 2"	023.032.06307K		38	25.7	34	37.6	75	290				
75 x 2 1/2"	023.032.07508K		44	30.2	40	46.3	89	410				
90 x 3"	023.032.09009K		51	33.3	48	53.8	106	700				
110 x 4"	023.032.11010K		61	39.3	58	65.7	129	1040				

90° ELBOW - S/S REINFORCED



d x R	PART NO	PRICE	L	L ₁	Z	Z ₁	E	E ₁	Wt (g)			
20 x 1/2"	023.352.02002P		16	15	11	12	26.5	27.5	25			
25 x 3/4"	023.352.02503P		19	16.3	14	16.7	32.5	33.5	42			
32 x 1"	023.352.03204P		22	19.1	17	19.9	41	42	69			
40 x 1 1/4"	023.352.04005P		26	21.4	21	25.6	50	51	99			
50 x 1 1/2"	023.352.05006P		31	21.4	26	35.6	60	61	168			
63 x 2"	023.352.06307P		38	25.7	33	45.3	75	76	305			

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

45° ELBOW



d x G	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)			
16 x 3/8"	023.042.01601K		14	11.4	5.5	8.1	23.5	10			
20 x 1/2"	023.042.02002K		16	15	5.5	6.5	28	18			
25 x 3/4"	023.042.02503K		19	16.3	6	8.7	34	30			
32 x 1"	023.042.03204K		22	19.1	8	10.9	42	48			
40 x 1 1/4"	023.042.04005K		26	21.4	10	14.6	51	79			
50 x 1 1/2"	023.042.05006K		31	21.4	12	21.6	61	130			
63 x 2"	023.042.06307K		38	25.7	15	27.3	75	222			
75 x 2 1/2"	023.042.07508K		44	30.2	18	31.8	89	335			
90 x 3"	023.042.09009K		51	33.3	21	38.7	106	553			
110 x 4"	023.042.11010K		61	39.3	25	46.7	129	928			

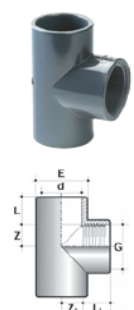
PVC-U METRIC

45° ELBOW - S/S REINFORCED



D x G	PART NO	PRICE	L	Z	E	Wt (g)					
20 x 1/2"	023.522.02002P		16	5	28	21					
25 x 3/4"	023.522.02503P		19	6	34	38					
32 x 1"	023.522.03204P		22	8	43	60					
40 x 1 1/4"	023.522.04005P		26	10	54	120					
50 x 1 1/2"	023.522.05006P		31	12	63	171					
63 x 2"	023.522.06307P		38	14	78	322					

EQUAL TEE



d x G	PART NO	PRICE	L	L ₁	Z	Z ₁	E	Wt (g)			
16 x 3/8"	023.062.01601K		14	11.4	9	11.6	23.5	17			
20 x 1/2"	023.062.02002K		16	15	11	12	27.5	30			
25 x 3/4"	023.062.02503K		19	16.3	14	16	33.5	45			
32 x 1"	023.062.03204K		22	19.1	17	19.7	42	75			
40 x 1 1/4"	023.062.04005K		26	21.4	23	19.9	51	120			
50 x 1 1/2"	023.062.05006K		31	21.4	28	27.6	61	195			
63 x 2"	023.062.06307K		38	25.7	34	37.6	75	350			
75 x 2 1/2"	023.062.07508K		44	30.2	40	38	89	505			
90 x 3"	023.062.09009K		51	33.3	48	53.8	106	840			
110 x 4"	023.062.11010K		61	39.3	58	65.7	129	1325			

EQUAL TEE - S/S REINFORCED

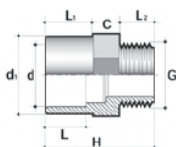


d x G	PART NO	PRICE	L	L ₁	Z	Z ₁	E	E ₁	Wt (g)		
20 x 1/2"	023.362.02002P		16	15	11	12	27.5	28.5	35		
25 x 3/4"	023.362.02503P		19	16.3	14	16.7	33.5	34.5	52		
32 x 1"	023.362.03204P		22	19.1	17	19.9	42	43	84		
40 x 1 1/4"	023.362.04005P		26	21.4	21	25.6	51	52	130		
50 x 1 1/2"	023.362.05006P		31	21.4	26	35.6	61	62	207		
63 x 2"	023.362.06307P		38	25.7	33	45.3	75	76	365		

• NON COMER PRODUCT

PVC-U PRESSURE FITTINGS PLAIN/THEADED (BSP)

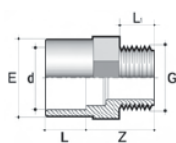
ADAPTOR - FEMALE PLAIN/MALE PLAIN/MALE THREADED



PVC-U METRIC

d x d1 x G	PART NO	PRICE	L	L1	L2	H	C	Wt (g)				
12 x 16 x 3/8"	023.202.01201K		12	14	11.4	36	22	9				
16 x 20 x 3/8"	023.202.01601K		14	16	11.4	40	24	10				
16 x 20 x 1/2"	023.202.01602K		14	16	15	43	24	11				
20 x 25 x 3/8"	023.202.02001K		16	19	11.4	43	30	15				
20 x 25 x 1/2"	023.202.02002K		16	19	15	46	27	15				
20 x 25 x 3/4"	023.202.02003K		16	19	16.3	47	30	18				
25 x 32 x 1/2"	023.202.02502K		19	22	15	49	36	25				
25 x 32 x 3/4"	023.202.02503K		19	22	16.3	50	36	26				
25 x 32 x 1"	023.202.02504K		19	22	19.1	53	36	30				
32 x 40 x 3/4"	023.202.03203K		22	26	16.3	54	42	35				
32 x 40 x 1"	023.202.03204K		22	26	19.1	57	42	40				
32 x 40 x 1 1/4"	023.202.03205K		22	26	21.4	60	46	45				
40 x 50 x 1"	023.202.04004K		26	31	19.1	64	55	74				
40 x 50 x 1 1/4"	023.202.04005K		26	31	21.4	66.5	55	75				
40 x 50 x 1 1/2"	023.202.04006K		26	31	21.4	66.5	55	77				
50 x 63 x 1 1/4"	023.202.05005K		31	38	21.4	74	65	120				
50 x 63 x 1 1/2"	023.202.05006K		31	38	21.4	74	65	113				
50 x 63 x 2"	023.202.05007K		31	38	25.7	78	65	120				
63 x 75 x 1 1/2"	023.202.06306K		38	44	21.4	80	75	160				
63 x 75 x 2"	023.202.06307K		38	44	25.7	84	75	150				
63 x 75 x 2 1/2"	023.202.06308K		38	44	30.2	91	80	180				
75 x 90 x 2"	023.202.07507K		44	51	25.7	94	95	280				
75 x 90 x 2 1/2"	023.202.07508K		44	51	30.2	99	95	270				
75 x 90 x 3"	023.202.07509K		44	51	33.3	102	95	288				
90 x 110 x 2 1/2"	023.202.09008K		51	61	30.2	110	115	475				
90 x 110 x 3"	023.202.09009K		51	61	33.3	110	115	490				
90 x 110 x 4"	023.202.09010K		51	61	39.3	118	115	485				
110 x 125 x 3"	023.202.11009K		61	69	33.3	115	130	485				
110 x 125 x 4"	023.202.11010K		61	69	39.3	120	130	490				
110 x 125 x 5"	023.202.11011K		61	69	43.6	125	130	530				

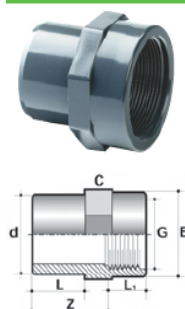
ADAPTOR - FEMALE PLAIN/MALE THREADED



d x G	PART NO	PRICE	L	L1	E	Z	Wt (g)					
160 x 6"	023.202.16012K		86	48	188	60	800					

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

ADAPTOR - MALE PLAIN/FEMALE THREADED



d x G	PART NO	PRICE	L	L ₁	E	Z	C	Wt (g)			
16 x 3/8"	023.212.01601		14	11.4	23	22	24	10			
16 x 1/2"	023.212.01602		14	15	28	23	30	16			
20 x 1/2"	023.212.02002		16	15	28	24	30	20			
20 x 3/4"	023.212.02003		16	16.3	34	24	36	25			
25 x 1/2"	023.212.02502		19	15	28	27	30	20			
25 x 3/4"	023.212.02503		19	16.3	34	27	36	25			
25 x 1"	023.212.02504		19	19.1	42	27	46	40			
32 x 3/4"	023.212.03203		22	16.3	34	30	36	32			
32 x 1"	023.212.03204		22	19.1	42	30	46	43			
40 x 1"	023.212.04004		26	19.1	42	36	46	50			
40 x 1 1/4"	023.212.04005		26	21.4	51	36	55	65			
50 x 1 1/4"	023.212.05005		31	21.4	51	41	55	70			
50 x 1 1/2"	023.212.05006		31	21.4	58	41	60	80			
50 x 2"	023.212.05007		31	25.7	75	41	75	128			
63 x 1 1/2"	023.212.06306		38	21.4	60	49	65	124			
63 x 2"	023.212.06307		38	25.7	75	48	75	135			
75 x 2"	023.212.07507		44	25.7	75	53	75	160			
75 x 2 1/2"	023.212.07508		44	30.2	89	58	90	225			
75 x 3"	023.212.07509		44	33.3	103	58	105	295			
90 x 2 1/2"	023.212.09008		51	30.2	89	65	95	290			
90 x 3"	023.212.09009		51	33.3	103	66	105	310			
90 x 4"	023.212.09010		51	39.3	130	65	130	450			
110 x 3"	023.212.11009		61	33.3	103	76	130	440			
110 x 4"	023.212.11010		61	39.3	130	76	130	480			

ADAPTOR - S/S REINFORCED - MALE PLAIN/FEMALE THREADED

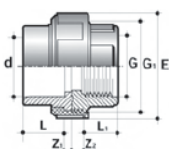


d x G	PART NO	PRICE	L	L ₁	E	Z	C	Wt (g)			
20 x 1/2"	023.372.02002		16	15	29	24	30	25			
20 x 3/4"	023.372.02003		16	16.3	35	24	36	28			
25 x 1/2"	023.372.02502		19	15	29	27	30	25			
25 x 3/4"	023.372.02503		19	16.3	35	27	36	32			
25 x 1"	023.372.02504		19	19.1	43	27	46	47			
32 x 3/4"	023.372.03203		22	16.3	35	30	36	39			
32 x 1"	023.372.03204		22	19.1	43	30	46	52			
40 x 1"	023.372.04004		26	19.1	43	36	46	59			
40 x 1 1/4"	023.372.04005		26	21.4	51.5	36	55	75			
50 x 1 1/4"	023.372.05005		31	21.4	51.5	41	55	80			
50 x 1 1/2"	023.372.05006		31	21.4	61	41	60	92			
50 x 2"	023.372.05007		31	25.7	78	41	75	140			
63 x 1 1/2"	023.372.06306		38	21.4	61	48	75	140			
63 x 2"	023.372.06307		38	25.7	76	48	75	150			
75 x 2"	023.372.07507K		44	25.7	76	53	75	172			

PVC-U METRIC

PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

UNION

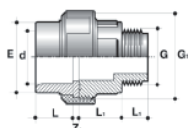


d x G	PART NO	PRICE	L	L ₁	Z ₁	Z ₂	G ₁	E	Wt (g)
16 x 3/8"	023.022.01601K		14	11.4	3	12.6	3/4"	34	30
20 x 1/2"	023.022.02002K		16	15	3	11	1"	42	42
25 x 3/4"	023.022.02503K		19	16.3	3	12.7	1 1/4"	52	70
32 x 1"	023.022.03204K		22	19.1	3	12.9	1 1/2"	59	95
40 x 1 1/4"	023.022.04005K		26	21.4	3	16.6	2"	72	155
50 x 1 1/2"	023.022.05006K		31	21.4	3	23.6	2 1/4"	79	210
63 x 2"	023.022.06307K		38	25.7	3	30.3	2 3/4"	96	390
75 x 2 1/2"*	023.022.07508K		44	30.2	3	31.8	3 1/2"	119	625
90 x 3"*	023.022.09009K		51	33.3	5	35.7	4"	134	820
110 x 4"*	023.022.11010K		61	39.3	5	39.7	5"	163	1280

* PN10 RATED

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

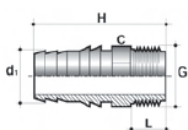
UNION - MALE THREAD ONE END



d x G	PART NO	PRICE	L	L ₁	L ₂	Z ₁	C	G ₁	E	Wt (g)
50 x 1 1/2"	023.592.05006P		31	21.4	40	3	65	2 1/4"	79	300
50 x 2"	023.592.05007P		31	25.7	40	3	65	2 1/4"	79	310
63 x 2"	023.592.06307P		38	25.7	42	3	70	2 3/4"	96	430

SPARE PARTS FOR UNIONS AVAILABLE SEE PAGE 82

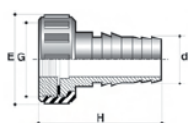
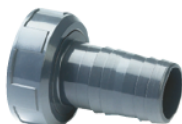
HOSE ADAPTOR - MALE BSP X MM HOSE TAIL



G x d ₁	PART NO	PRICE	L	H	C	Wt (g)
1/4" x 12	023.262M.00012		11	52	19	8
3/8" x 16	023.262M.01016		11.4	64	19	15
1/2" x 20	023.262M.02020		15	70	24	20
3/4" x 25	023.262M.03025		16.3	76	30	30
1" x 32	023.262M.04032		19.1	80	36	50
1 1/4" x 40	023.262M.05040		21.4	92	46	70
1 1/2" x 50	023.262M.06050		21.4	99	55	118
2" x 60	023.262M.07060		25.7	118	65	190

FULL RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

HOSE ADAPTOR - FEMALE BSP X MM HOSE TAIL



G x d	PART NO	PRICE	H	E	Wt (g)
3/4" x 16	023.872.03016		54	34	23
1" x 20	023.872.04020		59	42	32
1 1/4" x 25	023.872.05025		63	52	49
1 1/2" x 30	023.872.06030		68	59	68
2" x 40	023.872.07040		77	72	110
2 1/4" x 50	023.872.08050		80	79	145
2 3/4" x 60	023.872.08060		84	96	220

FULL RANGE OF PP HOSE FITTINGS AVAILABLE SEE PAGE 308

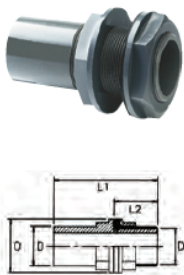
PVC-U PRESSURE FITTINGS PLAIN/THREADED (BSP)

REDUCING BUSH



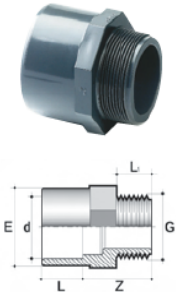
d x G	PART NO	PRICE	L	L ₁	Z	Wt (g)						
20 x 3/8"	023.092.02001P		14	16	6	5						
25 x 1/2"	023.092.02502P		14	15	4	8						
32 x 3/4"	023.092.03203P		16	16.3	5.7	12						
40 x 1"	023.092.04004P		19	19.1	6.9	22						
50 x 1 1/4"	023.092.05005P		22	21.4	9.6	45						
63 x 1 1/2"	023.092.06306P		26	21.4	16.6	68						
75 x 2"	021.092.0807		31	25.7	18.3	96						
90 x 2 1/2"	023.092.09008P		38	30.2	20.8	152						
110 x 3"	023.092.11009P		44	33.3	27.7	282						

TANK CONNECTOR



D	PART NO	PRICE	L1	L2	O	Wt (g)						
20 x 1/2"	022.242.02020		77	42	38	41						
25 x 3/4"	022.242.03025		77	42	42	52						
32 x 1"	022.242.04032		103	55	55	108						
40 x 1 1/4"	022.242.05040		121	70	65	153						
50 x 1 1/2"	022.242.06050		128	73	72	216						
63 x 2"	022.242.07063		154	82	93	370						
75 x 2 1/2"	021.242.08		164	94	106	471						
90 x 3"	022.242.09090		202	110	125	768						
110 x 4"	022.242.10110		230	140	154	1421						
160 x 6"	022.242.12160											

HEXAGON NIPPLE



D	PART NO	PRICE	L	L ₁	L ₂	H	C	Wt (g)				
20 x 1/2"	023.202.01602K		14	16	15	43	24	11				
25 x 3/4"	023.202.02003K		16	19	16.3	47	30	18				
32 x 1"	023.202.02504K		19	22	19.1	53	36	30				
40 x 1 1/4"	023.202.03205K		22	26	21.4	60	46	45				
50 x 1 1/2"	023.202.04006K		26	31	21.4	66.5	55	77				
63 x 2"	023.202.05007K		31	38	25.7	78	65	120				
75 x 2 1/2"	023.202.06308K		38	44	30.2	91	80	180				
90 x 3"	023.202.07509K		44	51	33.3	102	95	288				
110 x 4"	023.202.09010K		51	61	39.3	118	115	485				

• NON COMER PRODUCT

PVC-U METRIC

PVC-U MODULES FOR MANIFOLDS

MODULES FOR MANIFOLDS

The most common applications for modular manifolds are in swimming pools and irrigation. In swimming pools the combination of two manifolds is ideal as one is used in aspiration (connected to a skimmer) and a second one is used as an emissions outlet.

The product is made of PVC-U in the following sizes:

- | | |
|--------------|--|
| 90mm | <ul style="list-style-type: none">- The upper outlet is available with either a solvent cement connection in size 50x40mm or a threaded connection on the side in sizes 2" or 2 1/2".- Lower outlets are only available with a solvent cement connection in size 50x40mm. |
| 110mm | <ul style="list-style-type: none">- The upper outlet is available with either a solvent cement connection in size 63x50mm or a threaded connection on the side in sizes 2 1/2" or 3".- Lower outlets are only available with a solvent cement connection in size 50x40mm. |

The manifolds are modular installation meeting all requirements.

Different kinds of valves can be assembled to the lower outlets, as well as unions and fittings to satisfy the installation's design. Alternative prices on application.

PVC-U MODULES FOR MANIFOLDS

SINGLE UPPER OUTLET/SINGLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2131.090		50 x 40	SPIGOT
110	022.2131.110		63 x 50	SPIGOT

SINGLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2141.090		50 x 40	SOCKET
110	022.2141.110		63 x 50	SOCKET

PVC-U METRIC

SINGLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2151.090		50 x 40	SPIGOT
110	022.2151.110		63 x 50	SPIGOT

DOUBLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2161.090		50 x 40	SOCKET
110	022.2161.110		63 x 50	SOCKET

DOUBLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2171.090		50 x 40	SPIGOT
110	022.2171.110		63 x 50	SPIGOT

SINGLE UPPER OUTLET/DOUBLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2181.090		50 x 40	SPIGOT
110	022.2181.110		63 x 50	SPIGOT

DOUBLE LOWER OUTLET/THREADED END - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2193.090		50 x 40	2" THREADED
110	022.2193.110		63 x 50	2 1/2" THREADED
90	022.2193A.090		50 x 40	2 1/2" THREADED
110	022.2193A.110		63 x 50	3" THREADED

DOUBLE LOWER OUTLET - PN10



d	PART NO	PRICE	OUTLET MM	INLET TYPE
90	022.2201.090		50 x 40	SPIGOT/SOCKET
110	022.2201.110		63 x 50	SPIGOT/SOCKET

PVC-U MODULES FOR MANIFOLDS

PRE-ASSEMBLED MANIFOLDS - 90MM WITH 50MM VALVES



d	PART NO	PRICE	NO. OF PORTS	NO. OF VALVES
90	022.2211.090-3		3	3
90	022.2211.090-4		4	4
90	022.2211.090-5		5	5
90	022.2211.090-6		6	6
90	022.2211.090-7		7	7
90	022.2211.090-8		8	8
90	022.2211.090-9		9	9

PRE-ASSEMBLED MANIFOLDS - 110MM WITH 63MM VALVES



d	PART NO	PRICE	NO. OF PORTS	NO. OF VALVES
110	022.2221.110-3		3	3
110	022.2221.110-4		4	4
110	022.2221.110-5		5	5
110	022.2221.110-6		6	6
110	022.2221.110-7		7	7
110	022.2221.110-8		8	8
110	022.2221.110-9		9	9

Examples of manifolds:



3 ports, 3 valves



5 ports, 5 valves



6 ports, 6 valves

PVC-U PRESSURE FITTINGS RUBBER SEAL

COUPLING WITH LEDGE - PN16



SIZE	PART NO	PRICE
63	022.0111.063P	
75	022.0111.075P	
90	022.0111.090P	
110	022.0111.110P	
125	022.0111.125P	
140	022.0111.140P	
160	022.0111.160P	
180	022.0111.180P	
200	022.0111.200P	
225	022.0111.225P	
250	022.0111.250P	
280	022.0111.280P	
315	022.0111.315P	
355	022.0111.355P	
400	022.0111.400P	

COUPLING WITH LEDGE - PN10



SIZE	PART NO	PRICE
63	022.0111.063K	
75	022.0111.075K	
90	022.0111.090K	
110	022.0111.110K	
125	022.0111.125K	
140	022.0111.140K	
160	022.0111.160K	
180	022.0111.180K	
200	022.0111.200K	
225	022.0111.225K	
250	022.0111.250K	
280	022.0111.280K	
315	022.0111.315K	
355	022.0111.355K	
400	022.0111.400K	

PVC-U METRIC

COUPLING WITHOUT LEDGE - PN16



SIZE	PART NO	PRICE
63	022.11211.063P	
75	022.11211.075P	
90	022.11211.090P	
110	022.11211.110P	
125	022.11211.125P	
140	022.11211.140P	
160	022.11211.160P	
180	022.11211.180P	
200	022.11211.200P	
225	022.11211.225P	
250	022.11211.250P	
280	022.11211.280P	
315	022.11211.315P	
355	022.11211.355P	
400	022.11211.400P	

COUPLING WITHOUT LEDGE - PN10



SIZE	PART NO	PRICE
63	022.11211.063K	
75	022.11211.075K	
90	022.11211.090K	
110	022.11211.110K	
125	022.11211.125K	
140	022.11211.140K	
160	022.11211.160K	
180	022.11211.180K	
200	022.11211.200K	
225	022.11211.225K	
250	022.11211.250K	
280	022.11211.280K	
315	022.11211.315K	
355	022.11211.355K	
400	022.11211.400K	
450	022.11211.450K	
500	022.11211.500K	

LONG COUPLING WITHOUT LEDGE - PN16



SIZE	PART NO	PRICE
63	022.2281.063P	
75	022.2281.075P	
90	022.2281.090P	
110	022.2281.110P	
125	022.2281.125P	
140	022.2281.140P	
160	022.2281.160P	
180	022.2281.180P	
200	022.2281.200P	
225	022.2281.225P	
250	022.2281.250P	
280	022.2281.280P	
315	022.2281.315P	

LONG COUPLING WITHOUT LEDGE - PN10



SIZE	PART NO	PRICE
63	022.2281.063K	
75	022.2281.075K	
90	022.2281.090K	
110	022.2281.110K	
125	022.2281.125K	
140	022.2281.140K	
160	022.2281.160K	
180	022.2281.180K	
200	022.2281.200K	
225	022.2281.225K	
250	022.2281.250K	
280	022.2281.280K	
315	022.2281.315K	

PVC-U PRESSURE FITTINGS RUBBER SEAL

REPAIR COUPLING - PN10



SIZE	PART NO	PRICE
63	022.11311.063K	
75	022.11311.075K	
90	022.11311.090K	
110	022.11311.110K	
125	022.11311.125K	
140	022.11311.140K	
160	022.11311.160K	
180	022.11311.180K	
200	022.11311.200K	
225	022.11311.225K	
250	022.11311.250K	
280	022.11311.280K	
315	022.11311.315K	

PVC-U METRIC

REDUCING COUPLING - PN16



SIZE	PART NO	PRICE
75 x 63	022.6011.075063P	
90 x 75	022.6011.090075P	
110 x 90	022.6011.110090P	
125 x 110	022.6011.125110P	
140 x 125	022.6011.140125P	
160 x 140	022.6011.160140P	
180 x 160	022.6011.180160P	
200 x 180	022.6011.200180P	
225 x 200	022.6011.225200P	
250 x 225	022.6011.250225P	
280 x 250	022.6011.280250P	
315 x 280	022.6011.315280P	
355 x 315	022.6011.355315P	

REDUCING COUPLING - PN10



SIZE	PART NO	PRICE
75 x 63	022.6011.075063K	
90 x 75	022.6011.090075K	
110 x 90	022.6011.110090K	
125 x 110	022.6011.125110K	
140 x 125	022.6011.140125K	
160 x 140	022.6011.160140K	
180 x 160	022.6011.180160K	
200 x 180	022.6011.200180K	
225 x 200	022.6011.225200K	
250 x 225	022.6011.250225K	
280 x 250	022.6011.280250K	
315 x 280	022.6011.315280K	
355 x 315	022.6011.355315K	

REDUCING COUPLING SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
75 x 63	022.0913.075063P	
90 x 75	022.0913.090075P	
110 x 90	022.0913.110090P	
125 x 110	022.0913.125110P	
140 x 125	022.0913.140125P	
160 x 140	022.0913.160140P	
180 x 160	022.0913.180160P	
200 x 180	022.0913.200180P	
225 x 200	022.0913.225200P	
250 x 225	022.0913.250225P	
280 x 250	022.0913.280250P	
315 x 280	022.0913.315280P	
355 x 315	022.0913.355315P	

REDUCING COUPLING SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
75 x 63	022.0913.075063K	
90 x 75	022.0913.090075K	
110 x 90	022.0913.110090K	
125 x 110	022.0913.125110K	
140 x 125	022.0913.140125K	
160 x 140	022.0913.160140K	
180 x 160	022.0913.180160K	
200 x 180	022.0913.200180K	
225 x 200	022.0913.225200K	
250 x 225	022.0913.250225K	
280 x 250	022.0913.280250K	
315 x 280	022.0913.315280K	
355 x 315	022.0913.355315K	
400 x 355	022.0913.400355K	

PVC-U PRESSURE FITTINGS RUBBER SEAL

MALE ADAPTOR - PN16



SIZE	PART NO	PRICE
63	022.2021.063P	
75	022.2021.075P	
90	022.2021.090P	
110	022.2021.110P	
125	022.2021.125P	
140	022.2021.140P	
160	022.2021.160P	
180	022.2021.180P	
200	022.2021.200P	
225	022.2021.225P	
250	022.2021.250P	
280	022.2021.280P	
315	022.2021.315P	
355	022.2021.355P	
400	022.2021.400P	

MALE ADAPTOR - PN10



SIZE	PART NO	PRICE
63	022.2021.063K	
75	022.2021.075K	
90	022.2021.090K	
110	022.2021.110K	
125	022.2021.125K	
140	022.2021.140K	
160	022.2021.160K	
180	022.2021.180K	
200	022.2021.200K	
225	022.2021.225K	
250	022.2021.250K	
280	022.2021.280K	
315	022.2021.315K	
355	022.2021.355K	
400	022.2021.400K	

PVC-U METRIC

FLANGE ADAPTOR - PN16



SIZE	PART NO	PRICE
63 x 2"	022.1111.063P	
75 x 2 1/2"	022.1111.075P	
90 x 3"	022.1111.090P	
110 x 4"	022.1111.110P	
125 x 4"	022.1111.125P	
140 x 5"	022.1111.140P	
160 x 6"	022.1111.160P	
180 x 6"	022.1111.18012P	
180 x 8"	022.1111.180P	
200 x 8"	022.1111.200P	
225 x 8"	022.1111.225P	
250 x 10"	022.1111.250P	
280 x 10"	022.1111.280P	
315 x 12"	022.1111.315P	

FLANGE ADAPTOR - PN10



SIZE	PART NO	PRICE
63 x 2"	022.1111.063K	
75 x 2 1/2"	022.1111.075K	
90 x 3"	022.1111.090K	
110 x 4"	022.1111.110K	
125 x 4"	022.1111.125K	
140 x 5"	022.1111.140K	
160 x 6"	022.1111.160K	
180 x 6"	022.1111.18012K	
180 x 8"	022.1111.180K	
200 x 8"	022.1111.200K	
225 x 8"	022.1111.225K	
250 x 10"	022.1111.250K	
280 x 10"	022.1111.280K	
315 x 12"	022.1111.315K	
355 x 14"	022.1111.355K	
400 x 16"	022.1111.400K	

FLANGE SPIGOT - PN16



SIZE	PART NO	PRICE
63 x 2"	022.1113.063P	
75 x 2 1/2"	022.1113.075P	
90 x 3"	022.1113.090P	
110 x 4"	022.1113.110P	
125 x 4"	022.1113.125P	
140 x 5"	022.1113.140P	
160 x 6"	022.1113.160P	
180 x 6"	022.1113.18012P	
180 x 8"	022.1113.180P	
200 x 8"	022.1113.200P	
225 x 8"	022.1113.225P	
250 x 10"	022.1113.250P	
280 x 10"	022.1113.280P	
315 x 12"	022.1113.315P	
355 x 14"	022.1113.355P	

FLANGE SPIGOT - PN10



SIZE	PART NO	PRICE
63 x 2"	022.1113.063K	
75 x 2 1/2"	022.1113.075K	
90 x 3"	022.1113.090K	
110 x 4"	022.1113.110K	
125 x 4"	022.1113.125K	
140 x 5"	022.1113.140K	
160 x 6"	022.1113.160K	
180 x 6"	022.1113.18012K	
180 x 8"	022.1113.180K	
200 x 8"	022.1113.200K	
225 x 8"	022.1113.225K	
250 x 10"	022.1113.250K	
280 x 10"	022.1113.280K	
315 x 12"	022.1113.315K	
355 x 14"	022.1113.355K	
400 x 16"	022.1113.400K	

PVC-U PRESSURE FITTINGS RUBBER SEAL

EQUAL TEE - PN10



SIZE	PART NO	PRICE
63	022.0611.063	
75	022.0611.075	
90	022.0611.090	
110	022.0611.110	
125	022.0611.125	
140	022.0611.140	
160	022.0611.160	

PVC-U METRIC

REDUCING TEE - PN10



SIZE	PART NO	PRICE
75 x 63	022.0811.075063	
90 x 63	022.0811.090063	
90 x 75	022.0811.090075	
110 x 63	022.0811.110063	
110 x 75	022.0811.110075	
110 x 90	022.0811.110090	
125 x 110*	022.0811.125110	
140 x 110*	022.0811.140110	
160 x 90	022.0811.160090	
160 x 110	022.0811.160110	
160 x 125*	022.0811.160125	

* ASSEMBLED ITEMS

TEE - FLANGED ON BRANCH - PN10



SIZE	PART NO	PRICE
63 x 2"*	022.0612.063	
75 x 2"*	022.0812.075050	
75 x 2 1/2"*	022.0612.075	
90 x 2"*	022.0812.090050	
90 x 2 1/2"*	022.0812.090065	
90 x 3"*	022.0612.090	
110 x 2"*	022.0812.110050	
110 x 2 1/2"*	022.0812.110065	
110 x 3"*	022.0812.110080	
110 x 4"*	022.0612.110	
125 x 4"*	022.0812.125100	
140 x 4"*	022.0812.140100	
140 x 5"*	022.0612.140	
160 x 3"*	022.0812.160080	
160 x 4"*	022.0812.160100	
160 x 5"*	022.0812.160125	
160 x 6"*	022.0612.160	

* ASSEMBLED ITEMS

PVC-U PRESSURE FITTINGS RUBBER SEAL

TEE - BSP FEMALE THREADED ON BRANCH - PN10

SIZE	PART NO	PRICE
63 x 1 1/2"	022.0633.063040	
75 x 2 1/2"	022.0633.075065	
90 x 1 1/2"	022.0633.090040	
90 x 3"	022.0633.090080	
110 x 1"	022.0633.110025	
110 x 1 1/4"	022.0633.110032	
110 x 1 1/2"	022.0633.110040	
110 x 2"	022.0633.110050	
110 x 3"	022.0633.110080	
160 x 2"	022.0633.160050	

TEE - SOLVENT CEMENT ON BRANCH - PN10



SIZE	PART NO	PRICE
63	022.0613.063	
75	022.0613.075	
90	022.0613.090	
110	022.0613.110	
125	022.0613.125	
140	022.0613.140	
160	022.0613.160	

ADAPTOR - SPIGOT ONE END FOR SOLVENT WELD - PN10

SIZE	PART NO	PRICE
63*	022.0913.063063	
75	022.0913.075075	
90	022.0913.090090	
110	022.0913.110110	
125*	022.0913.125125	
140*	022.0913.140140	
160	022.0913.160160	
200	022.0913.200200	

*ASSEMBLED ITEMS

REDUCER - SPIGOT ON LARGE END FOR SOLVENT WELD - PN10



SIZE	PART NO	PRICE
90 x 75	022.0913.090075	
110 x 75	022.0913.110075	
110 x 90	022.0913.110090	
125 x 110	022.0913.125110	
140 x 110	022.0913.140110	
160 x 110	022.0913.160110	
200 x 160	022.0913.200160	
225 x 160	022.0913.225160	

SPIGOT END WITH FLANGE - PN10



SIZE	PART NO	PRICE
63 x 2"*	022.1113.063	
75 x 2 1/2"*	022.1113.075	
90 x 3"*	022.1113.090	
110 x 4"*	022.1113.110	
125 x 4"*	022.1113.125100	
125 x 5"*	022.1113.125	
140 x 5"*	022.1113.140	
160 x 6"*	022.1113.160	
200 x 8"*	022.1113.200	

*ASSEMBLED ITEMS

SOCKET END WITH FLANGE - PN10



SIZE	PART NO	PRICE
63 x 2"*	022.1111.063	
75 x 2 1/2"*	022.1111.075	
90 x 3"*	022.1111.090	
110 x 4"*	022.1111.110	
125 x 4"*	022.1111.125100	
140 x 5"*	022.1111.140	
160 x 6"*	022.1111.160	
200 x 8"*	022.1111.200	

*ASSEMBLED ITEMS

PVC-U PRESSURE FITTINGS RUBBER SEAL

PVC-U METRIC

90° BEND FEMALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2291.063P	
75	022.2291.075P	
90	022.2291.090P	
110	022.2291.110P	
125	022.2291.125P	
140	022.2291.140P	
160	022.2291.160P	
200	022.2291.200P	

90° BEND FEMALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2291.063K	
75	022.2291.075K	
90	022.2291.090K	
110	022.2291.110K	
125	022.2291.125K	
140	022.2291.140K	
160	022.2291.160K	
200	022.2291.200K	

90° BEND MALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.7813.063P	
75	022.7813.075P	
90	022.7813.090P	
110	022.7813.110P	
125	022.7813.125P	
140	022.7813.140P	
160	022.7813.160P	
200	022.7813.200P	

90° BEND MALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.7813.063K	
75	022.7813.075K	
90	022.7813.090K	
110	022.7813.110K	
125	022.7813.125K	
140	022.7813.140K	
160	022.7813.160K	
200	022.7813.200K	

45° BEND FEMALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2301.063P	
75	022.2301.075P	
90	022.2301.090P	
110	022.2301.110P	
125	022.2301.125P	
140	022.2301.140P	
160	022.2301.160P	
200	022.2301.200P	

45° BEND FEMALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2301.063K	
75	022.2301.075K	
90	022.2301.090K	
110	022.2301.110K	
125	022.2301.125K	
140	022.2301.140K	
160	022.2301.160K	
200	022.2301.200K	

45° BEND MALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.7713.063P	
75	022.7713.075P	
90	022.7713.090P	
110	022.7713.110P	
125	022.7713.125P	
140	022.7713.140P	
160	022.7713.160P	
200	022.7713.200P	

45° BEND MALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.7713.063K	
75	022.7713.075K	
90	022.7713.090K	
110	022.7713.110K	
125	022.7713.125K	
140	022.7713.140K	
160	022.7713.160K	
200	022.7713.200K	

30° BEND FEMALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2311.063P	
75	022.2311.075P	
90	022.2311.090P	
110	022.2311.110P	
125	022.2311.125P	
140	022.2311.140P	
160	022.2311.160P	
200	022.2311.200P	

30° BEND FEMALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2311.063K	
75	022.2311.075K	
90	022.2311.090K	
110	022.2311.110K	
125	022.2311.125K	
140	022.2311.140K	
160	022.2311.160K	
200	022.2311.200K	

PVC-U PRESSURE FITTINGS RUBBER SEAL

30° BEND MALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2343.063P	
75	022.2343.075P	
90	022.2343.090P	
110	022.2343.110P	
125	022.2343.125P	
140	022.2343.140P	
160	022.2343.160P	
200	022.2343.200P	

30° BEND MALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2343.063K	
75	022.2343.075K	
90	022.2343.090K	
110	022.2343.110K	
125	022.2343.125K	
140	022.2343.140K	
160	022.2343.160K	
200	022.2343.200K	

22° BEND FEMALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2321.063P	
75	022.2321.075P	
90	022.2321.090P	
110	022.2321.110P	
125	022.2321.125P	
140	022.2321.140P	
160	022.2321.160P	
200	022.2321.200P	

22° BEND FEMALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2321.063K	
75	022.2321.075K	
90	022.2321.090K	
110	022.2321.110K	
125	022.2321.125K	
140	022.2321.140K	
160	022.2321.160K	
200	022.2321.200K	

22° BEND MALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.7913.063P	
75	022.7913.075P	
90	022.7913.090P	
110	022.7913.110P	
125	022.7913.125P	
140	022.7913.140P	
160	022.7913.160P	
200	022.7913.200P	

22° BEND MALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.7913.063K	
75	022.7913.075K	
90	022.7913.090K	
110	022.7913.110K	
125	022.7913.125K	
140	022.7913.140K	
160	022.7913.160K	
200	022.7913.200K	

11° BEND FEMALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.2331.063P	
75	022.2331.075P	
90	022.2331.090P	
110	022.2331.110P	
125	022.2331.125P	
140	022.2331.140P	
160	022.2331.160P	
200	022.2331.200P	

11° BEND FEMALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.2331.063K	
75	022.2331.075K	
90	022.2331.090K	
110	022.2331.110K	
125	022.2331.125K	
140	022.2331.140K	
160	022.2331.160K	
200	022.2331.200K	

11° BEND MALE X FEMALE - PN16



SIZE	PART NO	PRICE
63	022.8013.063P	
75	022.8013.075P	
90	022.8013.090P	
110	022.8013.110P	
125	022.8013.125P	
140	022.8013.140P	
160	022.8013.160P	
200	022.8013.200P	

11° BEND MALE X FEMALE - PN10



SIZE	PART NO	PRICE
63	022.8013.063K	
75	022.8013.075K	
90	022.8013.090K	
110	022.8013.110K	
125	022.8013.125K	
140	022.8013.140K	
160	022.8013.160K	
200	022.8013.200K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS RUBBER SEAL

REDUCER SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
110 x 63	022.2351.110063P	
110 x 75	022.2351.110075P	
125 x 63	022.2351.125063P	
125 x 75	022.2351.125075P	
125 x 90	022.2351.125090P	
140 x 63	022.2351.140063P	
140 x 75	022.2351.140075P	
140 x 90	022.2351.140090P	
140 x 110	022.2351.140110P	
160 x 63	022.2351.160063P	
160 x 75	022.2351.160075P	
160 x 90	022.2351.160090P	
160 x 110	022.2351.160110P	
160 x 125	022.2351.160125P	
180 x 63	022.2351.180063P	
180 x 75	022.2351.180075P	
180 x 90	022.2351.180090P	
180 x 110	022.2351.180110P	
180 x 125	022.2351.180125P	
180 x 140	022.2351.180140P	
200 x 63	022.2351.200063P	
200 x 75	022.2351.200075P	
200 x 90	022.2351.200090P	
200 x 110	022.2351.200110P	
200 x 125	022.2351.200125P	
200 x 140	022.2351.200140P	
200 x 160	022.2351.200160P	
225 x 63	022.2351.225063P	
225 x 75	022.2351.225075P	
225 x 90	022.2351.225090P	
225 x 110	022.2351.225110P	
225 x 125	022.2351.225125P	
225 x 140	022.2351.225140P	
225 x 160	022.2351.225160P	
225 x 180	022.2351.225180P	

REDUCER SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
110 x 63	022.2351.110063K	
110 x 75	022.2351.110075K	
125 x 63	022.2351.125063K	
125 x 75	022.2351.125075K	
125 x 90	022.2351.125090K	
140 x 63	022.2351.140063K	
140 x 75	022.2351.140075K	
140 x 90	022.2351.140090K	
140 x 110	022.2351.140110K	
160 x 63	022.2351.160063K	
160 x 75	022.2351.160075K	
160 x 90	022.2351.160090K	
160 x 110	022.2351.160110K	
160 x 125	022.2351.160125K	
180 x 63	022.2351.180063K	
180 x 75	022.2351.180075K	
180 x 90	022.2351.180090K	
180 x 110	022.2351.180110K	
180 x 125	022.2351.180125K	
180 x 140	022.2351.180140K	
200 x 63	022.2351.200063K	
200 x 75	022.2351.200075K	
200 x 90	022.2351.200090K	
200 x 110	022.2351.200110K	
200 x 125	022.2351.200125K	
200 x 140	022.2351.200140K	
200 x 160	022.2351.200160K	
225 x 63	022.2351.225063K	
225 x 75	022.2351.225075K	
225 x 90	022.2351.225090K	
225 x 110	022.2351.225110K	
225 x 125	022.2351.225125K	
225 x 140	022.2351.225140K	
225 x 160	022.2351.225160K	
225 x 180	022.2351.225180K	
250 x 63	022.2351.250063K	
250 x 75	022.2351.250075K	
250 x 90	022.2351.250090K	
250 x 110	022.2351.250110K	
250 x 125	022.2351.250125K	
250 x 140	022.2351.250140K	
250 x 160	022.2351.250160K	
250 x 180	022.2351.250180K	
250 x 200	022.2351.250200K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS RUBBER SEAL

REDUCER SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
280 x 63	022.2351.280063K	
280 x 75	022.2351.280075K	
280 x 90	022.2351.280090K	
280 x 110	022.2351.280110K	
280 x 125	022.2351.280125K	
280 x 140	022.2351.280140K	
280 x 160	022.2351.280160K	
280 x 180	022.2351.280180K	
280 x 200	022.2351.280200K	
280 x 225	022.2351.280225K	
280 x 250	022.2351.280250K	
315 x 63	022.2351.315063K	
315 x 75	022.2351.315075K	
315 x 90	022.2351.315090K	
315 x 110	022.2351.315110K	
315 x 125	022.2351.315125K	
315 x 140	022.2351.315140K	
315 x 160	022.2351.315160K	
315 x 180	022.2351.315180K	
315 x 200	022.2351.315200K	
315 x 225	022.2351.315225K	
315 x 250	022.2351.315250K	
355 x 63	022.2351.355063K	
355 x 75	022.2351.355075K	
355 x 90	022.2351.355090K	
355 x 110	022.2351.355110K	
355 x 125	022.2351.355125K	
355 x 140	022.2351.355140K	
355 x 160	022.2351.355160K	
355 x 180	022.2351.355180K	
355 x 200	022.2351.355200K	
355 x 225	022.2351.355225K	
355 x 250	022.2351.355250K	
355 x 280	022.2351.355280K	
355 x 315	022.2351.355315K	
400 x 110	022.2351.400110K	
400 x 125	022.2351.400125K	
400 x 140	022.2351.400140K	
400 x 160	022.2351.400160K	
400 x 180	022.2351.400180K	
400 x 200	022.2351.400200K	
400 x 225	022.2351.400225K	
400 x 250	022.2351.400250K	
400 x 280	022.2351.400280K	
400 x 315	022.2351.400315K	

REDUCER SOCKET/SPIGOT - PN16



SIZE	PART NO	PRICE
110 x 63	022.2361.110063P	
110 x 75	022.2361.110075P	
125 x 63	022.2361.125063P	
125 x 75	022.2361.125075P	
125 x 90	022.2361.125090P	
140 x 63	022.2361.140063P	
140 x 75	022.2361.140075P	
140 x 90	022.2361.140090P	
140 x 110	022.2361.140110P	
160 x 63	022.2361.160063P	
160 x 75	022.2361.160075P	
160 x 90	022.2361.160090P	
160 x 110	022.2361.160110P	
160 x 125	022.2361.160125P	
180 x 63	022.2361.180063P	
180 x 75	022.2361.180075P	
180 x 90	022.2361.180090P	
180 x 110	022.2361.180110P	
180 x 125	022.2361.180125P	
180 x 140	022.2361.180140P	
200 x 63	022.2361.200063P	
200 x 75	022.2361.200075P	
200 x 90	022.2361.200090P	
200 x 110	022.2361.200110P	
200 x 125	022.2361.200125P	
200 x 140	022.2361.200140P	
200 x 160	022.2361.200160P	
225 x 63	022.2361.225063P	
225 x 75	022.2361.225075P	
225 x 90	022.2361.225090P	
225 x 110	022.2361.225110P	
225 x 125	022.2361.225125P	
225 x 140	022.2361.225140P	
225 x 160	022.2361.225160P	
225 x 180	022.2361.225180P	

PVC-U METRIC

PVC-U PRESSURE FITTINGS RUBBER SEAL

REDUCER SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
110 x 63	022.2371.110063P	
110 x 75	022.2371.110075P	
125 x 63	022.2371.125063P	
125 x 75	022.2371.125075P	
125 x 90	022.2371.125090P	
140 x 63	022.2371.140063P	
140 x 75	022.2371.140075P	
140 x 90	022.2371.140090P	
140 x 110	022.2371.140110P	
160 x 63	022.2371.160063P	
160 x 75	022.2371.160075P	
160 x 90	022.2371.160090P	
160 x 110	022.2371.160110P	
160 x 125	022.2371.160125P	
180 x 63	022.2371.180063P	
180 x 75	022.2371.180075P	
180 x 90	022.2371.180090P	
180 x 110	022.2371.180110P	
180 x 125	022.2371.180125P	
180 x 140	022.2371.180140P	
200 x 63	022.2371.200063P	
200 x 75	022.2371.200075P	
200 x 90	022.2371.200090P	
200 x 110	022.2371.200110P	
200 x 125	022.2371.200125P	
200 x 140	022.2371.200140P	
200 x 160	022.2371.200160P	
225 x 63	022.2371.225063P	
225 x 75	022.2371.225075P	
225 x 90	022.2371.225090P	
225 x 110	022.2371.225110P	
225 x 125	022.2371.225125P	
225 x 140	022.2371.225140P	
225 x 160	022.2371.225160P	
225 x 180	022.2371.225180P	

REDUCER SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
110 x 63	022.2371.110063K	
110 x 75	022.2371.110075K	
125 x 63	022.2371.125063K	
125 x 75	022.2371.125075K	
125 x 90	022.2371.125090K	
140 x 63	022.2371.140063K	
140 x 75	022.2371.140075K	
140 x 90	022.2371.140090K	
140 x 110	022.2371.140110K	
160 x 63	022.2371.160063K	
160 x 75	022.2371.160075K	
160 x 90	022.2371.160090K	
160 x 110	022.2371.160110K	
160 x 125	022.2371.160125K	
180 x 63	022.2371.180063K	
180 x 75	022.2371.180075K	
180 x 90	022.2371.180090K	
180 x 110	022.2371.180110K	
180 x 125	022.2371.180125K	
180 x 140	022.2371.180140K	
200 x 63	022.2371.200063K	
200 x 75	022.2371.200075K	
200 x 90	022.2371.200090K	
200 x 110	022.2371.200110K	
200 x 125	022.2371.200125K	
200 x 140	022.2371.200140K	
200 x 160	022.2371.200160K	
225 x 63	022.2371.225063K	
225 x 75	022.2371.225075K	
225 x 90	022.2371.225090K	
225 x 110	022.2371.225110K	
225 x 125	022.2371.225125K	
225 x 140	022.2371.225140K	
225 x 160	022.2371.225160K	
225 x 180	022.2371.225180K	
250 x 63	022.2371.250063K	
250 x 75	022.2371.250075K	
250 x 90	022.2371.250090K	
250 x 110	022.2371.250110K	
250 x 125	022.2371.250125K	
250 x 140	022.2371.250140K	
250 x 160	022.2371.250160K	
250 x 180	022.2371.250180K	
250 x 200	022.2371.250200K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS RUBBER SEAL

REDUCER SPIGOT/SOCKET - PN10



PVC-U METRIC

SIZE	PART NO	PRICE
280 x 63	022.2371.280063K	
280 x 75	022.2371.280075K	
280 x 90	022.2371.280090K	
280 x 110	022.2371.280110K	
280 x 125	022.2371.280125K	
280 x 140	022.2371.280140K	
280 x 160	022.2371.280160K	
280 x 180	022.2371.280180K	
280 x 200	022.2371.280200K	
280 x 225	022.2371.280225K	
280 x 250	022.2371.280250K	
315 x 63	022.2371.315063K	
315 x 75	022.2371.315075K	
315 x 90	022.2371.315090K	
315 x 110	022.2371.315110K	
315 x 125	022.2371.315125K	
315 x 140	022.2371.315140K	
315 x 160	022.2371.315160K	
315 x 180	022.2371.315180K	
315 x 200	022.2371.315200K	
315 x 225	022.2371.315225K	
315 x 250	022.2371.315250K	
355 x 63	022.2371.355063K	
355 x 75	022.2371.355075K	
355 x 90	022.2371.355090K	
355 x 110	022.2371.355110K	
355 x 125	022.2371.355125K	
355 x 140	022.2371.355140K	
355 x 160	022.2371.355160K	
355 x 180	022.2371.355180K	
355 x 200	022.2371.355200K	
355 x 225	022.2371.355225K	
355 x 250	022.2371.355250K	
355 x 280	022.2371.355280K	
355 x 315	022.2371.355315K	
400 x 110	022.2371.400110K	
400 x 125	022.2371.400125K	
400 x 140	022.2371.400140K	
400 x 160	022.2371.400160K	
400 x 180	022.2371.400180K	
400 x 200	022.2371.400200K	
400 x 225	022.2371.400225K	
400 x 250	022.2371.400250K	
400 x 280	022.2371.400280K	
400 x 315	022.2371.400315K	

PVC-U PRESSURE FITTINGS RUBBER SEAL

CAP - PN16



SIZE	PART NO	PRICE
63	022.2211.063P	
75	022.2211.075P	
90	022.2211.090P	
110	022.2211.110P	
125	022.2211.125P	
140	022.2211.140P	
160	022.2211.160P	
180	022.2211.180P	
200	022.2211.200P	
225	022.2211.225P	

CAP - PN10



SIZE	PART NO	PRICE
63	022.2211.063K	
75	022.2211.075K	
90	022.2211.090K	
110	022.2211.110K	
125	022.2211.125K	
140	022.2211.140K	
160	022.2211.160K	
180	022.2211.180K	
200	022.2211.200K	
225	022.2211.225K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS REINFORCED

PVC-U METRIC

90° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2381.180P	
200	022.2381.200P	
225	022.2381.225P	
250	022.2381.250P	
280	022.2381.280P	
315	022.2381.315P	

90° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2381.180K	
200	022.2381.200K	
225	022.2381.225K	
250	022.2381.250K	
280	022.2381.280K	
315	022.2381.315K	

60° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2391.180P	
200	022.2391.200P	
225	022.2391.225P	
250	022.2391.250P	
280	022.2391.280P	
315	022.2391.315P	

60° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2391.180K	
200	022.2391.200K	
225	022.2391.225K	
250	022.2391.250K	
280	022.2391.280K	
315	022.2391.315K	

45° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2401.180P	
200	022.2401.200P	
225	022.2401.225P	
250	022.2401.250P	
280	022.2401.280P	
315	022.2401.315P	

45° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2401.180K	
200	022.2401.200K	
225	022.2401.225K	
250	022.2401.250K	
280	022.2401.280K	
315	022.2401.315K	

30° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2411.180P	
200	022.2411.200P	
225	022.2411.225P	
250	022.2411.250P	
280	022.2411.280P	
315	022.2411.315P	

30° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2411.180K	
200	022.2411.200K	
225	022.2411.225K	
250	022.2411.250K	
280	022.2411.280K	
315	022.2411.315K	

22° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2421.180P	
200	022.2421.200P	
225	022.2421.225P	
250	022.2421.250P	
280	022.2421.280P	
315	022.2421.315P	

22° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2421.180K	
200	022.2421.200K	
225	022.2421.225K	
250	022.2421.250K	
280	022.2421.280K	
315	022.2421.315K	

11° BEND SPIGOT/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2431.180P	
200	022.2431.200P	
225	022.2431.225P	
250	022.2431.250P	
280	022.2431.280P	
315	022.2431.315P	

11° BEND SPIGOT/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2431.180K	
200	022.2431.200K	
225	022.2431.225K	
250	022.2431.250K	
280	022.2431.280K	
315	022.2431.315K	

PVC-U PRESSURE FITTINGS REINFORCED

90° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2441.180P	
200	022.2441.200P	
225	022.2441.225P	
250	022.2441.250P	
280	022.2441.280P	
315	022.2441.315P	

90° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2441.180K	
200	022.2441.200K	
225	022.2441.225K	
250	022.2441.250K	
280	022.2441.280K	
315	022.2441.315K	

60° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2451.180P	
200	022.2451.200P	
225	022.2451.225P	
250	022.2451.250P	
280	022.2451.280P	
315	022.2451.315P	

60° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2451.180K	
200	022.2451.200K	
225	022.2451.225K	
250	022.2451.250K	
280	022.2451.280K	
315	022.2451.315K	

45° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2461.180P	
200	022.2461.200P	
225	022.2461.225P	
250	022.2461.250P	
280	022.2461.280P	
315	022.2461.315P	

45° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2461.180K	
200	022.2461.200K	
225	022.2461.225K	
250	022.2461.250K	
280	022.2461.280K	
315	022.2461.315K	

30° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2471.180K	
200	022.2471.200K	
225	022.2471.225K	
250	022.2471.250K	
280	022.2471.280K	
315	022.2471.315K	

30° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2471.180K	
200	022.2471.200K	
225	022.2471.225K	
250	022.2471.250K	
280	022.2471.280K	
315	022.2471.315K	

22° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2481.180K	
200	022.2481.200K	
225	022.2481.225K	
250	022.2481.250K	
280	022.2481.280K	
315	022.2481.315K	

22° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2481.180K	
200	022.2481.200K	
225	022.2481.225K	
250	022.2481.250K	
280	022.2481.280K	
315	022.2481.315K	

11° BEND SOCKET/SOCKET - PN16



SIZE	PART NO	PRICE
180	022.2491.180K	
200	022.2491.200K	
225	022.2491.225K	
250	022.2491.250K	
280	022.2491.280K	
315	022.2491.315K	

11° BEND SOCKET/SOCKET - PN10



SIZE	PART NO	PRICE
180	022.2491.180K	
200	022.2491.200K	
225	022.2491.225K	
250	022.2491.250K	
280	022.2491.280K	
315	022.2491.315K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS REINFORCED

REDUCING TEE SO/SO/SO - PN16



SIZE	PART NO	PRICE
110 x 63	022.2501.110063P	
110 x 75	022.2501.110075P	
125 x 63	022.2501.125063P	
125 x 75	022.2501.125075P	
125 x 90	022.2501.125090P	
140 x 63	022.2501.140063P	
140 x 75	022.2501.140075P	
140 x 90	022.2501.140090P	
140 x 110	022.2501.140110P	
160 x 63	022.2501.160063P	
160 x 75	022.2501.160075P	
160 x 90	022.2501.160090P	
160 x 110	022.2501.160110P	
160 x 125	022.2501.160125P	
180 x 63	022.2501.180063P	
180 x 75	022.2501.180075P	
180 x 90	022.2501.180090P	
180 x 110	022.2501.180110P	
180 x 125	022.2501.180125P	
200 x 63	022.2501.200063P	
200 x 75	022.2501.200075P	
200 x 90	022.2501.200090P	
200 x 110	022.2501.200110P	
200 x 125	022.2501.200125P	
200 x 140	022.2501.200140P	
200 x 160	022.2501.200160P	
225 x 63	022.2501.225063P	
225 x 75	022.2501.225075P	
225 x 90	022.2501.225090P	
225 x 110	022.2501.225110P	
225 x 125	022.2501.225125P	
225 x 140	022.2501.225140P	
225 x 160	022.2501.225160P	
250 x 63	022.2501.250063P	
250 x 75	022.2501.250075P	
250 x 90	022.2501.250090P	
250 x 110	022.2501.250110P	
250 x 125	022.2501.250125P	
250 x 140	022.2501.250140P	
250 x 160	022.2501.250160P	
250 x 180	022.2501.250180P	
250 x 200	022.2501.250200P	

REDUCING TEE SO/SO/SO - PN16



SIZE	PART NO	PRICE
280 x 63	022.2501.280063P	
280 x 75	022.2501.280075P	
280 x 90	022.2501.280090P	
280 x 110	022.2501.280110P	
280 x 125	022.2501.280125P	
280 x 140	022.2501.280140P	
280 x 160	022.2501.280160P	
280 x 180	022.2501.280180P	
280 x 200	022.2501.280200P	
280 x 225	022.2501.280225P	
315 x 63	022.2501.315063P	
315 x 75	022.2501.315075P	
315 x 90	022.2501.315090P	
315 x 110	022.2501.315110P	
315 x 125	022.2501.315125P	
315 x 140	022.2501.315140P	
315 x 160	022.2501.315160P	
315 x 180	022.2501.315180P	
315 x 200	022.2501.315200P	
315 x 225	022.2501.315225P	
315 x 250	022.2501.315250P	
355 x 63	022.2501.355063P	
355 x 75	022.2501.355075P	
355 x 90	022.2501.355090P	
355 x 110	022.2501.355110P	
355 x 125	022.2501.355125P	
355 x 140	022.2501.355140P	
355 x 160	022.2501.355160P	
355 x 180	022.2501.355180P	
355 x 200	022.2501.355200P	
355 x 225	022.2501.355225P	
355 x 250	022.2501.355250P	
400 x 63	022.2501.400063P	
400 x 75	022.2501.400075P	
400 x 90	022.2501.400090P	
400 x 110	022.2501.400110P	
400 x 125	022.2501.400125P	
400 x 140	022.2501.400140P	
400 x 160	022.2501.400160P	
400 x 180	022.2501.400180P	
400 x 200	022.2501.400200P	
400 x 225	022.2501.400225P	
400 x 250	022.2501.400250P	

PVC-U METRIC

PVC-U PRESSURE FITTINGS REINFORCED

REDUCING TEE SO/SO/SO - PN10



SIZE	PART NO	PRICE
160 x 63	022.2501.160063K	
160 x 75	022.2501.160075K	
160 x 90	022.2501.160090K	
160 x 110	022.2501.160110K	
160 x 125	022.2501.160125K	
180 x 63	022.2501.180063K	
180 x 75	022.2501.180075K	
180 x 90	022.2501.180090K	
180 x 110	022.2501.180110K	
180 x 125	022.2501.180125K	
200 x 63	022.2501.200063K	
200 x 75	022.2501.200075K	
200 x 90	022.2501.200090K	
200 x 110	022.2501.200110K	
200 x 125	022.2501.200125K	
200 x 140	022.2501.200140K	
200 x 160	022.2501.200160K	
225 x 63	022.2501.225063K	
225 x 75	022.2501.225075K	
225 x 90	022.2501.225090K	
225 x 110	022.2501.225110K	
225 x 125	022.2501.225125K	
225 x 140	022.2501.225140K	
225 x 160	022.2501.225160K	
250 x 63	022.2501.250063K	
250 x 75	022.2501.250075K	
250 x 90	022.2501.250090K	
250 x 110	022.2501.250110K	
250 x 125	022.2501.250125K	
250 x 140	022.2501.250140K	
250 x 160	022.2501.250160K	
250 x 180	022.2501.250180K	
250 x 200	022.2501.250200K	

REDUCING TEE SO/SO/SO - PN10



SIZE	PART NO	PRICE
280 x 63	022.2501.280063K	
280 x 75	022.2501.280075K	
280 x 90	022.2501.280090K	
280 x 110	022.2501.280110K	
280 x 125	022.2501.280125K	
280 x 140	022.2501.280140K	
280 x 160	022.2501.280160K	
280 x 180	022.2501.280180K	
280 x 200	022.2501.280200K	
280 x 225	022.2501.280225K	
315 x 63	022.2501.315063K	
315 x 75	022.2501.315075K	
315 x 90	022.2501.315090K	
315 x 110	022.2501.315110K	
315 x 125	022.2501.315125K	
315 x 140	022.2501.315140K	
315 x 160	022.2501.315160K	
315 x 180	022.2501.315180K	
315 x 200	022.2501.315200K	
315 x 225	022.2501.315225K	
315 x 250	022.2501.315250K	
355 x 63	022.2501.355063K	
355 x 75	022.2501.355075K	
355 x 90	022.2501.355090K	
355 x 110	022.2501.355110K	
355 x 125	022.2501.355125K	
355 x 140	022.2501.355140K	
355 x 160	022.2501.355160K	
355 x 180	022.2501.355180K	
355 x 200	022.2501.355200K	
355 x 225	022.2501.355225K	
355 x 250	022.2501.355250K	
400 x 63	022.2501.400063K	
400 x 75	022.2501.400075K	
400 x 90	022.2501.400090K	
400 x 110	022.2501.400110K	
400 x 125	022.2501.400125K	
400 x 140	022.2501.400140K	
400 x 160	022.2501.400160K	
400 x 180	022.2501.400180K	
400 x 200	022.2501.400200K	
400 x 225	022.2501.400225K	
400 x 250	022.2501.400250K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS REINFORCED

REDUCING TEE SO/SO/FL - PN16



SIZE	PART NO	PRICE
160 x 2"	022.2511.16007P	
160 x 2 1/2"	022.2511.16008P	
160 x 3"	022.2511.16009P	
160 x 4"	022.2511.16010P	
180 x 2"	022.2511.18007P	
180 x 2 1/2"	022.2511.18008P	
180 x 3"	022.2511.18009P	
180 x 4"	022.2511.18010P	
180 x 5"	022.2511.18011P	
200 x 2"	022.2511.20007P	
200 x 2 1/2"	022.2511.20008P	
200 x 3"	022.2511.20009P	
200 x 4"	022.2511.20010P	
200 x 5"	022.2511.20011P	
200 x 6"	022.2511.20012P	
225 x 2"	022.2511.22507P	
225 x 2 1/2"	022.2511.22508P	
225 x 3"	022.2511.22509P	
225 x 4"	022.2511.22510P	
225 x 5"	022.2511.22511P	
225 x 6"	022.2511.22512P	
250 x 2"	022.2511.25007P	
250 x 2 1/2"	022.2511.25008P	
250 x 3"	022.2511.25009P	
250 x 4"	022.2511.25010P	
250 x 5"	022.2511.25011P	
250 x 6"	022.2511.25012P	
250 x 8"	022.2511.25013P	
280 x 2"	022.2511.28007P	
280 x 2 1/2"	022.2511.28008P	
280 x 3"	022.2511.28009P	
280 x 4"	022.2511.28010P	
280 x 5"	022.2511.28011P	
280 x 6"	022.2511.28012P	
280 x 8"	022.2511.28013P	
315 x 2"	022.2511.31507P	
315 x 2 1/2"	022.2511.31508P	
315 x 3"	022.2511.31509P	
315 x 4"	022.2511.31510P	
315 x 5"	022.2511.31511P	
315 x 6"	022.2511.31512P	
315 x 8"	022.2511.31513P	
355 x 2"	022.2511.35507P	
355 x 2 1/2"	022.2511.35508P	
355 x 3"	022.2511.35509P	
355 x 4"	022.2511.35510P	
355 x 5"	022.2511.35511P	
355 x 6"	022.2511.35512P	
355 x 8"	022.2511.35513P	
400 x 2"	022.2511.40007P	
400 x 2 1/2"	022.2511.40008P	
400 x 3"	022.2511.40009P	
400 x 4"	022.2511.40010P	
400 x 5"	022.2511.40011P	
400 x 6"	022.2511.40012P	
400 x 8"	022.2511.40013P	

REDUCING TEE SO/SO/FL - PN10



SIZE	PART NO	PRICE
160 x 2"	022.2511.16007K	
160 x 2 1/2"	022.2511.16008K	
160 x 3"	022.2511.16009K	
160 x 4"	022.2511.16010K	
180 x 2"	022.2511.18007K	
180 x 2 1/2"	022.2511.18008K	
180 x 3"	022.2511.18009K	
180 x 4"	022.2511.18010K	
180 x 5"	022.2511.18011K	
200 x 2"	022.2511.20007K	
200 x 2 1/2"	022.2511.20008K	
200 x 3"	022.2511.20009K	
200 x 4"	022.2511.20010K	
200 x 5"	022.2511.20011K	
200 x 6"	022.2511.20012K	
225 x 2"	022.2511.22507K	
225 x 2 1/2"	022.2511.22508K	
225 x 3"	022.2511.22509K	
225 x 4"	022.2511.22510K	
225 x 5"	022.2511.22511K	
225 x 6"	022.2511.22512K	
250 x 2"	022.2511.25007K	
250 x 2 1/2"	022.2511.25008K	
250 x 3"	022.2511.25009K	
250 x 4"	022.2511.25010K	
250 x 5"	022.2511.25011K	
250 x 6"	022.2511.25012K	
250 x 8"	022.2511.25013K	
280 x 2"	022.2511.28007K	
280 x 2 1/2"	022.2511.28008K	
280 x 3"	022.2511.28009K	
280 x 4"	022.2511.28010K	
280 x 5"	022.2511.28011K	
280 x 6"	022.2511.28012K	
280 x 8"	022.2511.28013K	
315 x 2"	022.2511.31507K	
315 x 2 1/2"	022.2511.31508K	
315 x 3"	022.2511.31509K	
315 x 4"	022.2511.31510K	
315 x 5"	022.2511.31511K	
315 x 6"	022.2511.31512K	
315 x 8"	022.2511.31513K	
355 x 2"	022.2511.35507K	
355 x 2 1/2"	022.2511.35508K	
355 x 3"	022.2511.35509K	
355 x 4"	022.2511.35510K	
355 x 5"	022.2511.35511K	
355 x 6"	022.2511.35512K	
355 x 8"	022.2511.35513K	
400 x 2"	022.2511.40007K	
400 x 2 1/2"	022.2511.40008K	
400 x 3"	022.2511.40009K	
400 x 4"	022.2511.40010K	
400 x 5"	022.2511.40011K	
400 x 6"	022.2511.40012K	
400 x 8"	022.2511.40013K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS REINFORCED

TEE SO/SO/SO - PN16



SIZE	PART NO	PRICE
180	022.2521.180P	
200	022.2521.200P	
225	022.2521.225P	
250	022.2521.250P	
280	022.2521.280P	
315	022.2521.315P	

TEE SO/SO/SO - PN10



SIZE	PART NO	PRICE
180	022.2521.180K	
200	022.2521.200K	
225	022.2521.225K	
250	022.2521.250K	
280	022.2521.280K	
315	022.2521.315K	

TEE SO/SO/SP - PN16



SIZE	PART NO	PRICE
180	022.2531.180P	
200	022.2531.200P	
225	022.2531.225P	
250	022.2531.250P	
280	022.2531.280P	
315	022.2531.315P	

TEE SO/SO/SP - PN10



SIZE	PART NO	PRICE
180	022.2531.180K	
200	022.2531.200K	
225	022.2531.225K	
250	022.2531.250K	
280	022.2531.280K	
315	022.2531.315K	

TEE SO/SP/SP - PN16



SIZE	PART NO	PRICE
180	022.2541.180P	
200	022.2541.200P	
225	022.2541.225P	
250	022.2541.250P	
280	022.2541.280P	
315	022.2541.315P	

TEE SO/SP/SP - PN10



SIZE	PART NO	PRICE
180	022.2541.180K	
200	022.2541.200K	
225	022.2541.225K	
250	022.2541.250K	
280	022.2541.280K	
315	022.2541.315K	

TEE SO/SO/FL - PN16



SIZE	PART NO	PRICE
160 x 6"	022.2551.16012P	
180 x 6"	022.2551.18012P	
200 x 8"	022.2551.20013P	
225 x 8"	022.2551.22513P	
250 x 10"	022.2551.25014P	
280 x 10"	022.2551.28014P	
315 x 12"	022.2551.31515P	

TEE SO/SO/FL - PN10



SIZE	PART NO	PRICE
160 x 6"	022.2551.16012K	
180 x 6"	022.2551.18012K	
200 x 8"	022.2551.20013K	
225 x 8"	022.2551.22513K	
250 x 10"	022.2551.25014K	
280 x 10"	022.2551.28014K	
315 x 12"	022.2551.31515K	

PVC-U METRIC

PVC-U PRESSURE FITTINGS PE100 FITTINGS FOR PVC PIPELINES

PVC-U METRIC

90° BEND - PN16



SIZE	PART NO	PRICE
180	142.257116.180	
200	142.257116.200	
225	142.257116.225	
250	142.257116.250	
280	142.257116.280	
315	142.257116.315	

30° BEND - PN16



SIZE	PART NO	PRICE
180	142.259116.180	
200	142.259116.200	
225	142.259116.225	
250	142.259116.250	
280	142.259116.280	
315	142.259116.315	

90° BEND - PN10



SIZE	PART NO	PRICE
180	142.257110.180	
200	142.257110.200	
225	142.257110.225	
250	142.257110.250	
280	142.257110.280	
315	142.257110.315	
400*	142.257110.400	
450*	142.257110.450	
500*	142.257110.500	
630*	142.257110.630	

30° BEND - PN10



SIZE	PART NO	PRICE
180	142.259110.180	
200	142.259110.200	
225	142.259110.225	
250	142.259110.250	
280	142.259110.280	
315	142.259110.315	
400*	142.259110.400	
450*	142.259110.450	
500*	142.259110.500	
630*	142.259110.630	

45° BEND - PN16



SIZE	PART NO	PRICE
180	142.258116.180	
200	142.258116.200	
225	142.258116.225	
250	142.258116.250	
280	142.258116.280	
315	142.258116.315	

22° BEND - PN16



SIZE	PART NO	PRICE
180	142.260116.180	
200	142.260116.200	
225	142.260116.225	
250	142.260116.250	
280	142.260116.280	
315	142.260116.315	

45° BEND - PN10



SIZE	PART NO	PRICE
180	142.258110.180	
200	142.258110.200	
225	142.258110.225	
250	142.258110.250	
280	142.258110.280	
315	142.258110.315	
400*	142.258110.400	
450*	142.258110.450	
500*	142.258110.500	
630*	142.258110.630	

22° BEND - PN10



SIZE	PART NO	PRICE
180	142.260110.180	
200	142.260110.200	
225	142.260110.225	
250	142.260110.250	
280	142.260110.280	
315	142.260110.315	
400*	142.260110.400	
450*	142.260110.450	
500*	142.260110.500	
630*	142.260110.630	

* SOCKETS ARE CREAM IN COLOUR

PVC-U PRESSURE FITTINGS PE100 FITTINGS FOR PVC PIPELINES

11° BEND - PN16



SIZE	PART NO	PRICE
180	142.261116.180	
200	142.261116.200	
225	142.261116.225	
250	142.261116.250	
280	142.261116.280	
315	142.261116.315	

FLANGED TEE - PN16



SIZE	PART NO	PRICE
180	142.263116.180	
200	142.263116.200	
225	142.263116.225	
250	142.263116.250	
280	142.263116.280	
315	142.263116.315	

11° BEND - PN10



SIZE	PART NO	PRICE
180	142.261110.180	
200	142.261110.200	
225	142.261110.225	
250	142.261110.250	
280	142.261110.280	
315	142.261110.315	
400*	142.261110.400	
450*	142.261110.450	
500*	142.261110.500	
630*	142.261110.630	

FLANGED TEE - PN10



SIZE	PART NO	PRICE
180	142.263110.180	
200	142.263110.200	
225	142.263110.225	
250	142.263110.250	
280	142.263110.280	
315	142.263110.315	
400*	142.263110.400	
450*	142.263110.450	
500*	142.263110.500	
630*	142.263110.630	

TEE - PN16



SIZE	PART NO	PRICE
180	142.262116.180	
200	142.262116.200	
225	142.262116.225	
250	142.262116.250	
280	142.262116.280	
315	142.262116.315	

TEE REDUCED REINFORCED FLANGED BRANCH - PN16



SIZE	PART NO	PRICE
180	142.264116.180	
200	142.264116.200	
225	142.264116.225	
250	142.264116.250	
280	142.264116.280	
315	142.264116.315	

TEE - PN10



SIZE	PART NO	PRICE
180	142.262110.180	
200	142.262110.200	
225	142.262110.225	
250	142.262110.250	
280	142.262110.280	
315	142.262110.315	
400*	142.262110.400	
450*	142.262110.450	
500*	142.262110.500	
630*	142.262110.630	

TEE REDUCED REINFORCED FLANGED BRANCH - PN10



SIZE	PART NO	PRICE
180	142.264110.180	
200	142.264110.200	
225	142.264110.225	
250	142.264110.250	
280	142.264110.280	
315	142.264110.315	
400*	142.264110.400	
450*	142.264110.450	
500*	142.264110.500	
630*	142.264110.630	

* SOCKETS ARE CREAM IN COLOUR

PVC-U METRIC

PVC-U PRESSURE FITTINGS PE100 FITTINGS FOR PVC PIPELINES

PVC-U METRIC

FLANGED REDUCER - PN16

	SIZE	PART NO	PRICE
	180	142.265116.180	
	200	142.265116.200	
	225	142.265116.225	
	250	142.265116.250	
	280	142.265116.280	
	315	142.265116.315	

CROSS - PN16

	SIZE	PART NO	PRICE
	180	142.267116.180	
	200	142.267116.200	
	225	142.267116.225	
	250	142.267116.250	
	280	142.267116.280	
	315	142.267116.315	

FLANGED REDUCER - PN10

	SIZE	PART NO	PRICE
	180	142.265110.180	
	200	142.265110.200	
	225	142.265110.225	
	250	142.265110.250	
	280	142.265110.280	
	315	142.265110.315	
	400*	142.265110.400	
	450*	142.265110.450	
	500*	142.265110.500	
	630*	142.265110.630	

CROSS - PN10

	SIZE	PART NO	PRICE
	180	142.267110.180	
	200	142.267110.200	
	225	142.267110.225	
	250	142.267110.250	
	280	142.267110.280	
	315	142.267110.315	
	400*	142.267110.400	
	450*	142.267110.450	
	500*	142.267110.500	
	630*	142.267110.630	

45° TEE - PN16

	SIZE	PART NO	PRICE
	180	142.266116.180	
	200	142.266116.200	
	225	142.266116.225	
	250	142.266116.250	
	280	142.266116.280	
	315	142.266116.315	

45° TEE - PN10

	SIZE	PART NO	PRICE
	180	142.266110.180	
	200	142.266110.200	
	225	142.266110.225	
	250	142.266110.250	
	280	142.266110.280	
	315	142.266110.315	
	400*	142.266110.400	
	450*	142.266110.450	
	500*	142.266110.500	
	630*	142.266110.630	

* SOCKETS ARE CREAM IN COLOUR

PVC-U ACCESSORIES FOR RUBBER SEAL FITTINGS

GRIFFON BLUE GEL



SIZE	PART NO	PRICE
250g^	96.E6305316	
800g	96.E6140010	

^ TUBE

GRIFFON MULTI-FUNCTIONAL WIPES



SIZE	PART NO	PRICE
1x75	96.E6307282	

GRIFFON LUBRICANT



SIZE	PART NO	PRICE
400ml	96.E6160150	

GRIFFON CLEANER CLOTHS



SIZE	PART NO	PRICE
1x100	96.E6307417	

PVC-U METRIC

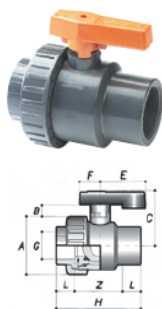
GRIFFON HAND CLEANER



SIZE	PART NO	PRICE
500ml	96.E6307283	

PVC-U MANUAL VALVES

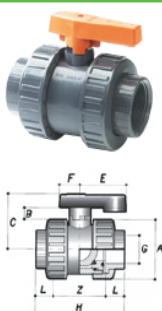
STANDARD BALL VALVE - SINGLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS



G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
16	022.82S1.016Q		14	47	75	50	10	48	39	19	15	100
20	022.82S1.020Q		16	46	78	50	10	48	39	19	15	110
25	022.82S1.025Q		19	52	90	60	11	54	47	22	15	170
32	022.82S1.032Q		22	59	103	68	13	62	55	25	15	250
40	022.82S1.040Q		26	68	120	80	18	75	60	30	15	370
50	022.82S1.050Q		31	75	137	96	20	87	68	35	15	560
63	022.82S1.063Q		38	92	168	116	20	101	80	40	15	980
75	022.82S1.075Q		44	124	212	145	25	123	90	45	10	1825
90	022.82S1.090Q		51	147	249	166	28	138	100	50	10	2900
110	022.82S1.110Q		61	159	281	210	28	160	120	60	10	4790

PLEASE SEE PAGE 60 FOR PRICES FOR VALVES WITH THREADED ENDS

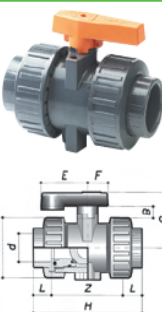
STANDARD BALL VALVE - DOUBLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS



G	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
16	022.66S1.016Q		14	40	68	50	10	48	39	19	15	140
20	022.66S1.020Q		16	40	72	50	10	48	39	19	15	130
25	022.66S1.025Q		19	48	86	60	11	54	47	22	15	200
32	022.66S1.032Q		22	54	98	68	13	62	55	25	15	295
40	022.66S1.040Q		26	62	114	80	18	75	60	30	15	440
50	022.66S1.050Q		31	73	135	96	20	87	68	35	15	720
63	022.66S1.063Q		38	85	161	116	20	101	80	40	15	1190
75	022.66S1.075Q		44	115	203	145	25	123	90	45	10	2210
90	022.66S1.090Q		51	129	231	166	28	138	100	50	10	3520
110	022.66S1.110Q		61	149	271	210	28	160	120	60	10	5790

PLEASE SEE PAGE 60 FOR PRICES FOR VALVES WITH THREADED ENDS

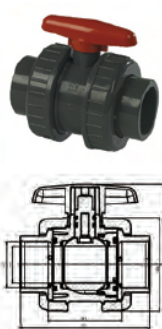
INDUSTRIAL BALL VALVE - DOUBLE UNION - PTFE SEAT - EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
16	022.66I1.016Q		14	62	90	50	10	48	39	19	15	180
20	022.66I1.020Q		16	62	94	50	10	48	39	19	15	170
25	022.66I1.025Q		19	74	112	60	11	54	47	22	15	265
32	022.66I1.032Q		22	77	121	68	13	62	55	25	15	370
40	022.66I1.040Q		26	87	139	80	18	75	60	30	15	545
50	022.66I1.050Q		31	93	155	96	20	87	68	35	15	885
63	022.66I1.063Q		38	113	189	116	20	101	80	40	15	1440
75	022.66I1.075Q		44	116	204	145	25	123	90	45	10	2300
90	022.66I1.090Q		51	130	232	166	28	138	100	50	10	3655
110	022.66I1.110Q		61	150	272	210	28	160	120	60	10	6000

PLEASE SEE PAGE 61 FOR PRICES FOR VALVES WITH THREADED ENDS

INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - EPDM SEALS - PLAIN ENDS



d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)		
20•	022.66I1.020Q-V		59	15	50	50	84	A	16	170		
25•	022.66I1.025Q-V		64	20	53	55	93	A	16	210		
32•	022.66I1.032Q-V		73	25	62	65	108	A	16	310		
40•	022.66I1.040Q-V		86	32	66	75	122	A	16	480		
50•	022.66I1.050Q-V		102	40	88	90	148	A	16	860		
63•	022.66I1.063Q-V		124	50	103	103	175	A	16	1450		
75•	022.66I1.075Q-V		151	63	128	123	216	B	10	2630		
90•	022.66I1.090Q-V		178.5	75	154	143	256	B	10	4310		
110•	022.66I1.110Q-V		215.5	90	178	161	306	B	10	7600		

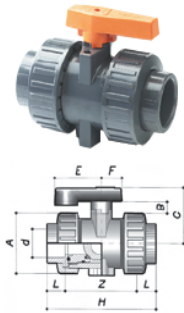
PLEASE SEE PAGE 61 FOR PRICES FOR VALVES WITH THREADED ENDS

ELECTRICALLY AND PNEUMATICALLY ACTUATED BALL VALVES ALSO AVAILABLE - SEE PAGES 150-153

COMPRESSION ENDED BALL VALVES AVAILABLE - SEE PAGE 63

• NON COMER PRODUCT

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

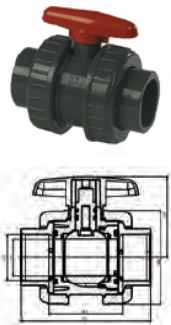


d	PART NO	PRICE	L	Z	H	A	B	C	E	F	PN	Wt (g)
16	022.6611.016R		14	62	90	50	10	48	39	19	15	180
20	022.6611.020R		16	62	94	50	10	48	39	19	15	170
25	022.6611.025R		19	74	112	60	11	54	47	22	15	265
32	022.6611.032R		22	77	121	68	13	62	55	25	15	370
40	022.6611.040R		26	87	139	80	18	75	60	30	15	545
50	022.6611.050R		31	93	155	96	20	87	68	35	15	885
63	022.6611.063R		38	113	189	116	20	101	80	40	15	1440
75	022.6611.075R		44	116	204	145	25	123	90	45	10	2300
90	022.6611.090R		51	130	232	166	28	138	100	50	10	3655
110	022.6611.110R		61	150	272	210	28	160	120	60	10	6000

PLEASE SEE PAGE 62 FOR PRICES FOR VALVES WITH THREADED ENDS

PVC-U METRIC

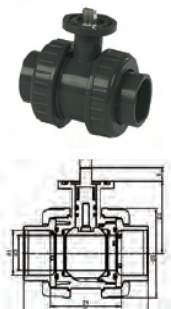
INDUSTRIAL BALL VALVE - DOUBLE UNION - TEFLON FILLED PE SEAT - FPM SEALS - PLAIN ENDS



d1	PART NO	PRICE	d2	d3	Z1	Z2	C	TYPE	PN	Wt (g)	S
20•	022.6611.020R-V		59	15	50	50	84	A	16	170	
25•	022.6611.025R-V		64	20	53	55	93	A	16	210	
32•	022.6611.032R-V		73	25	62	65	108	A	16	310	
40•	022.6611.040R-V		86	32	66	75	122	A	16	480	
50•	022.6611.050R-V		102	40	88	90	148	A	16	860	
63•	022.6611.063R-V		124	50	103	103	175	A	16	1450	
75•	022.6611.075R-V		151	63	128	123	216	B	10	2630	
90•	022.6611.090R-V		178.5	75	154	143	256	B	10	4310	
110•	022.6611.110R-V		215.5	90	178	161	306	B	10	7600	

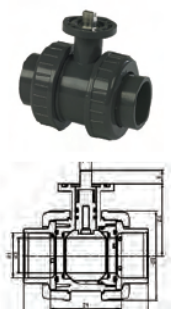
PLEASE SEE PAGE 62 FOR PRICES FOR VALVES WITH THREADED ENDS

INDUSTRIAL BALL VALVE ISO TOP - DOUBLE UNION - TEFLON FILLED PE SEAT - EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S	Wt (g)
32•	022.6611.032Q-ISO		32	73	25	42	5.5	54	63	60.5	108	11	11	
50•	022.6611.050Q-ISO		50	102	40	50	6.5	65	85.5	81.5	148	15	14	
63•	022.6611.063Q-ISO		63	124	50	50	6.5	65	101	93.5	178	15	14	

INDUSTRIAL BALL VALVE ISO TOP - DOUBLE UNION - TEFLON FILLED PE SEAT - FPM SEALS - PLAIN ENDS



d	PART NO	PRICE	d1	d2	d3	d4	d5	d6	Z1	Z2	C	E	S	Wt (g)
32•	022.6611.032R-ISO		32	73	25	42	5.5	54	63	60.5	108	11	11	
50•	022.6611.050R-ISO		50	102	40	50	6.5	65	85.5	81.5	148	15	14	
63•	022.6611.063R-ISO		63	124	50	50	6.5	65	101	93.5	178	15	14	

ELECTRICALLY AND PNEUMATICALLY ACTUATED BALL VALVES ALSO AVAILABLE - SEE PAGES 150-153

FLANGED BALL VALVES AVAILABLE - SEE PAGE 63 COMPRESSION ENDED BALL VALVES AVAILABLE - SEE PAGE 63

• NON COMER PRODUCT

PVC-U MANUAL VALVES

PVC-U METRIC

INDUSTRIAL DIAPHRAGM VALVE - HANDWHEEL OPERATED - EPDM DIAPHRAGM



SIZE	PART NO	PRICE	DIA.SIZE									
20•	022.681.020Q		3/4"									
25•	022.681.025Q		3/4"									
32•	022.681.032Q		3/4"									
40•	022.681.040Q		1"									
50•	022.681.050Q		1 1/2"									
63•	022.681.063Q		1 1/2"									
75*•	022.681.075Q		2"									
90*•	022.681.090Q		3"									
110*•	022.681.110Q		3"									

*SPIGOT ENDED

FPM DIAPHRAGM AVAILABLE. PRICES ON APPLICATION

PNEUMATICALLY ACTUATED DIAPHRAGM VALVE ALSO AVAILABLE - PRICES ON APPLICATION

INDUSTRIAL DIAPHRAGM VALVE - HANDWHEEL OPERATED - PTFE DIAPHRAGM



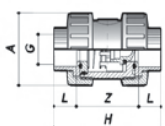
SIZE	PART NO	PRICE	DIA.SIZE									
20•	022.681.020S		3/4"									
25•	022.681.025S		3/4"									
32•	022.681.032S		3/4"									
40•	022.681.040S		1"									
50•	022.681.050S		1 1/2"									
63•	022.681.063S		1 1/2"									
75*•	022.681.075S		2"									
90*•	022.681.090S		3"									
110*•	022.681.110S		3"									

*SPIGOT ENDED

FPM DIAPHRAGM AVAILABLE. PRICES ON APPLICATION

PNEUMATICALLY ACTUATED DIAPHRAGM VALVE ALSO AVAILABLE - PRICES ON APPLICATION

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

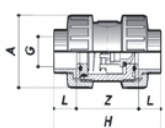


G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
16	022.671.016Q		14	48	76	50	E	120				
20	022.671.020Q		16	48	80	50	E	110				
25	022.671.025Q		19	53	91	60	E	168				
32	022.671.032Q		22	58	102	68	E	246				
40	022.671.040Q		26	68	120	80	E	360				
50	022.671.050Q		31	78	140	96	E	595				
63	022.671.063Q		38	93	169	116	E	970				
75	022.671.075Q		44	126	214	145	C	1740				
90	022.671.090Q		51	139	269	166	C	2810				
110	022.671.110Q		61	159	290	210	C	4690				

PLEASE SEE PAGE 64 FOR PRICES FOR VALVES WITH THREADED ENDS

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

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



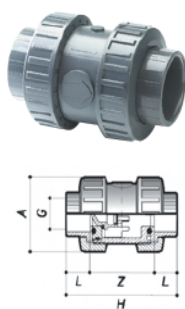
G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)				
16	022.671.016R		14	48	76	50	E	120				
20	022.671.020R		16	48	80	50	E	110				
25	022.671.025R		19	53	91	60	E	168				
32	022.671.032R		22	58	102	68	E	246				
40	022.671.040R		26	68	120	80	E	360				
50	022.671.050R		31	78	140	96	E	595				
63	022.671.063R		38	93	169	116	E	970				
75	022.671.075R		44	126	214	145	C	1740				
90	022.671.090R		51	139	269	166	C	2810				
110	022.671.110R		61	159	290	210	C	4690				

PLEASE SEE PAGE 65 FOR PRICES FOR VALVES WITH THREADED ENDS

DETAILS FOR CHECK VALVE WITH PTFE COATED STAINLESS STEEL SPRING ARE AVAILABLE ON REQUEST

• NON COMER PRODUCT

STANDARD AIR RELEASE VALVE - DOUBLE UNION - EPDM SEALS - PLAIN ENDS

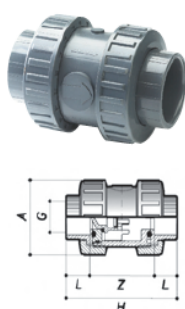


G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
16	022.67A1.016Q		14	48	76	50	E	85			
20	022.67A1.020Q		16	48	80	50	E	85			
25	022.67A1.025Q		19	53	91	60	E	140			
32	022.67A1.032Q		22	58	102	68	E	240			
40	022.67A1.040Q		26	68	120	80	E	395			
50	022.67A1.050Q		31	78	140	96	E	670			
63	022.67A1.063Q		38	93	169	116	E	1130			
75	022.67A1.075Q		44	126	214	145	C	1740			
90	022.67A1.090Q		51	139	269	166	C	2810			
110	022.67A1.110Q		61	159	290	210	C	4690			

PLEASE SEE PAGE 65 FOR PRICES FOR VALVES WITH THREADED ENDS

PVC-U METRIC

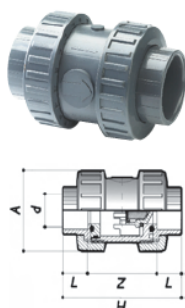
STANDARD AIR RELEASE VALVE - DOUBLE UNION - FPM SEALS - PLAIN ENDS



G	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
16	022.67A1.016R		14	48	76	50	E	85			
20	022.67A1.020R		16	48	80	50	E	85			
25	022.67A1.025R		19	53	91	60	E	140			
32	022.67A1.032R		22	58	102	68	E	240			
40	022.67A1.040R		26	68	120	80	E	395			
50	022.67A1.050R		31	78	140	96	E	670			
63	022.67A1.063R		38	93	169	116	E	1130			
75	022.67A1.075R		44	126	214	145	C	1740			
90	022.67A1.090R		51	139	269	166	C	2810			
110	022.67A1.110R		61	159	290	210	C	4690			

PLEASE SEE PAGE 66 FOR PRICES FOR VALVES WITH THREADED ENDS

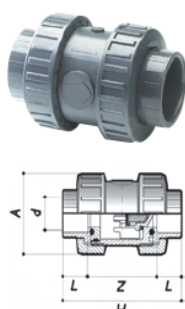
STANDARD FOOTVALVE - DOUBLE UNION - EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
16	022.67F1.016Q		14	48	76	50	E	85			
20	022.67F1.020Q		16	48	80	50	E	85			
25	022.67F1.025Q		19	53	91	60	E	140			
32	022.67F1.032Q		22	58	102	68	E	240			
40	022.67F1.040Q		26	68	120	80	E	395			
50	022.67F1.050Q		31	78	140	96	E	670			
63	022.67F1.063Q		38	93	169	116	E	1130			
75	022.67F1.075Q		44	126	214	145	C	1740			
90	022.67F1.090Q		51	139	269	166	C	2810			
110	022.67F1.110Q		61	159	290	210	C	4690			

PLEASE SEE PAGE 66 FOR PRICES FOR VALVES WITH THREADED ENDS

STANDARD FOOTVALVE - DOUBLE UNION - FPM SEALS - PLAIN ENDS



d	PART NO	PRICE	L	Z	H	A	Class	Wt (g)			
16	022.67F1.016R		14	48	76	50	E	85			
20	022.67F1.020R		16	48	80	50	E	85			
25	022.67F1.025R		19	53	91	60	E	140			
32	022.67F1.032R		22	58	102	68	E	240			
40	022.67F1.040R		26	68	120	80	E	395			
50	022.67F1.050R		31	78	140	96	E	670			
63	022.67F1.063R		38	93	169	116	E	1130			
75	022.67F1.075R		44	126	214	145	C	1740			
90	022.67F1.090R		51	139	269	166	C	2810			
110	022.67F1.110R		61	159	290	210	C	4690			

PLEASE SEE PAGE 67 FOR PRICES FOR VALVES WITH THREADED ENDS

PVC-U MANUAL VALVES

STANDARD WAFER TYPE CHECK VALVE - WITHOUT SPRING - EPDM SEAL



PVC-U METRIC

SIZE	PART NO	PRICE	A	B	C	Wt (g)					
40•	023.845.040Q		85	15	18	184					
50•	023.845.050Q		95	16	22	218					
63•	023.845.063Q		109	20	32	310					
75•	023.845.075Q		129	20	40	406					
90•	023.845.090Q		144	20	52	468					
110•	023.845.110Q		164	22	70	660					
125•	023.845.125Q		170	25	83	750					
140•	023.845.140Q		195	23	92	850					
160•	023.845.160Q		220	25	112	1252					
200•	023.845.200Q		247	28	139	2000					
225•	023.845.225Q		275	35	150	2230					
250/280•	023.845.280Q		330	40	189	3380					
315•	023.845.315Q		380	45	226	4865					

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
 * 63mm - 160mm NP10/16 * 225mm - 315mm NP10

STANDARD WAFER TYPE CHECK VALVE - WITHOUT SPRING - FPM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)					
40•	023.845.040R		85	15	18	184					
50•	023.845.050R		95	16	22	218					
63•	023.845.063R		109	20	32	310					
75•	023.845.075R		129	20	40	406					
90•	023.845.090R		144	20	52	468					
110•	023.845.110R		164	22	70	660					
125•	023.845.125R		170	25	83	750					
140•	023.845.140R		195	23	92	850					
160•	023.845.160R		220	25	112	1252					
200•	023.845.200R		247	28	139	2000					
225•	023.845.225R		275	35	150	2230					
250/280•	023.845.280R		330	40	189	3380					
315•	023.845.315R		380	45	226	4865					

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
 * 63mm - 160mm NP10/16 * 225mm - 315mm NP10

STANDARD WAFER TYPE CHECK VALVE - WITH SPRING - EPDM SEAL



SIZE	PART NO	PRICE	A	B	C	Wt (g)					
40•	023.855.040Q		85	15	18	184					
50•	023.855.050Q		95	16	22	218					
63•	023.855.063Q		109	20	32	310					
75•	023.855.075Q		130	20	40	406					
90•	023.855.090Q		144	20	53	468					
110•	023.855.110Q		164	22	70	660					
140•	023.855.140Q		192	22	93	850					
160•	023.855.160Q		220	26	113	1252					
225•	023.855.225Q		276	35	152	2230					
250/280•	023.855.280Q		330	40	189	3380					
315•	023.855.315Q		380	45	226	4865					

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
 * 63mm - 160mm NP10/16 * 225mm - 315mm NP10

• NON COMER PRODUCT

PVC-U MANUAL VALVES

STANDARD WAFER TYPE CHECK VALVE - WITH SPRING - FPM SEAL

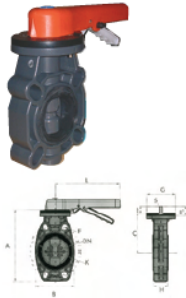


SIZE	PART NO	PRICE	A	B	C	Wt (g)										
40•	023.855.040R		85	15	18	184										
50•	023.855.050R		95	16	22	218										
63•	023.855.063R		109	20	32	310										
75•	023.855.075R		130	20	40	406										
90•	023.855.090R		144	20	53	468										
110•	023.855.110R		164	22	70	660										
140•	023.855.140R		192	22	93	850										
160•	023.855.160R		220	26	113	1252										
225•	023.855.225R		276	35	152	2230										
250/280•	023.855.280R		330	40	189	3380										
315•	023.855.315R		380	45	226	4865										

THE STANDARD WAFER CHECK VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES:
 * 63mm - 160mm NP10/16 * 225mm - 315mm NP10

PVC-U METRIC

STANDARD BUTTERFLY VALVE* - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ZINC PLATED STEEL SHAFT - EPDM LINER



SIZE	PART NO	PRICE	A	B	C	E	F	G	H	K	L	M	N	E'	S	Wt (g)
63/75•	023.73EL.063Q		201	135	120	40	18	112	48	125	220	70	9	35	10	1650
90•	023.73EL.090Q		232	122	136	40	19	112	52	169.5	245	70	9	35	12	1900
110•	023.73EL.110Q		255	145	148	40	19	112	59	191.5	245	70	9	35	16	2600
125/140•	023.73EL.140Q		284	175	164	40	22	112	66	215	320	70	9	35	20	3500
160•	023.73EL.160Q		314	209	180	40	24	112	72	240	320	70	9	35	20	4550
200/225•	023.73EL.200Q		378	248	217	50	23	136	73	298	391	102	11	47	26	7350

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 63mm - 160mm NP10/16 * 200/225mm NP10
 ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 154

* RESIDUAL STOCKS ONLY

STANDARD BUTTERFLY VALVE* - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ZINC PLATED STEEL SHAFT - EPDM LINER



SIZE	PART NO	PRICE	A	B	C	E	F	G	H	K	L	M	N	E'	S	Wt (g)
63/75•	023.73EL.063R		201	135	120	40	18	112	48	125	220	70	9	35	10	1650
90•	023.73EL.090R		232	122	136	40	19	112	52	169.5	245	70	9	35	12	1900
110•	023.73EL.110R		255	145	148	40	19	112	59	191.5	245	70	9	35	16	2600
125/140•	023.73EL.140R		284	175	164	40	22	112	66	215	320	70	9	35	20	3500
160•	023.73EL.160R		314	209	180	40	24	112	72	240	320	70	9	35	20	4550
200/225•	023.73EL.200R		378	248	217	50	23	136	73	298	391	102	11	47	26	7350

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 63mm - 160mm NP10/16 * 200/225mm NP10
 ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 154

* RESIDUAL STOCKS ONLY

STANDARD BUTTERFLY VALVE* - MOUNTED WITH STUB FLANGES & PVC BACKING RINGS - LEVER HANDLE WITH RATCHET HOLD



EPDM LINER

SIZE	PART NO	PRICE
63•	023.92EL.063Q	
75•	023.92EL.075Q	
90•	023.92EL.090Q	
110•	023.92EL.110Q	
125•	023.92EL.125Q	
140•	023.92EL.140Q	
160•	023.92EL.160Q	
200•	023.92EL.200Q	
225•	023.92EL.225Q	

FPM LINER

SIZE	PART NO	PRICE
63•	023.92EL.063R	
75•	023.92EL.075R	
90•	023.92EL.090R	
110•	023.92EL.110R	
125•	023.92EL.125R	
140•	023.92EL.140R	
160•	023.92EL.160R	
200•	023.92EL.200R	
225•	023.92EL.225R	

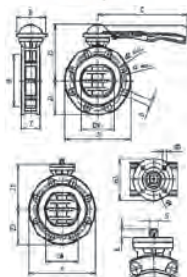
BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 63mm - 160mm NP10/16 * 225mm NP10
 ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 154

* RESIDUAL STOCKS ONLY

• NON COMER PRODUCT

PVC-U MANUAL VALVES

STANDARD BUTTERFLY VALVE - PVC BODY & PVC DISC - LEVER HANDLE WITH RATCHET HOLD - ST.ST. SHAFT - EPDM LINER



SIZE	PART NO	PRICE	d	d1	d2	Z	Z1	Z2	Z3	B	C	NxD	Wt (g)
75•	023.73EL.075Q-V		185	106	128/144	53	134	92.5	174	108	270	4x19	2030
90•	023.73EL.090Q-V		200	125	145/160	56	141.5	100	181	108	270	8x19	2320
110•	023.73EL.110Q-V		220	150	165/190	63	151.5	110	192	108	270	8x19	2740
140•	023.73EL.140Q-V		250	188	204/215	71	162.5	125	203	108	340	8x23	3960
160• [^]	023.73EL.160Q-V		285	214	230/242	78	180	142.5	221	108	340	8x23	4860
225• [^]	023.73EL.225Q-V		340	266	280/298	81	233	170	289	150	420	8x23	8830

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 2" - 6" NP10/16 * 8" NP10
ELECTRICALLY AND PNEUMATICALLY ACTUATED BUTTERFLY VALVES ALSO AVAILABLE - SEE PAGE 154
[^] PN6 RATED REMAINING VALVES ARE PN10 RATED

PVC-U METRIC

MOUNTING KIT FOR BUTTERFLY VALVE - COMPRISING STUB FLANGES, BACKING RINGS AND BOLT SETS



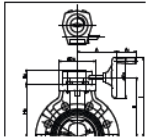
SIZE	PART NO	PRICE
63•	023.92E.063-KIT-V	
75•	023.92E.075-KIT-V	
90•	023.92E.090-KIT-V	
110•	023.92E.110-KIT-V	
125•	023.92E.125-KIT-V	
140•	023.92E.140-KIT-V	
160•	023.92E.160-KIT-V	
200•	023.92E.200-KIT-V	
225•	023.92E.225-KIT-V	

PLEASE CONFIRM EITHER PVC OR GALVANISED BACKING RINGS WHEN ORDERING

• NON COMER PRODUCT

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - EPDM SEAL

SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
50•	033.73IH6.050Q		150	82	100	160	39	124	75	95	60	204	167	80	47
63•	033.73IH6.063Q		165	87	100	160	42	130	83	101	60	210	167	80	47
75•	033.73IH6.075Q		185	112	100	160	46	141	93	112	60	221	167	80	47
90•	033.73IH6.090Q		200	123	100	160	46	148	100	119	60	228	167	80	47
110•	033.73IH6.110Q		229	147	100	160	56	166	115	137	60	246	167	80	47
140•	033.73IH6.140Q		254	180	140	160	66	193	127	164	60	273	167	80	47
160•	033.73IH6.160Q		285	210	140	160	71	206	143	177	60	286	167	80	47
225•	033.73IH6.225Q		340	257	140	160	87	238	170	209	60	318	167	80	47
250•	033.73IH6.250Q		406	316	180	200	110	270	203	241	60	370	199	95	60
315•	033.73IH6.315Q		483	370	235	250	129	331	242	298	69	456	212	95	76
355•	033.73IH6.355Q		520	420	235	250	129	339	260	306	69	464	212	95	76
400•	033.73IH6.400Q		600	470	235	250	169	383	300	350	69	508	212	95	76



ASAHI AV VAI

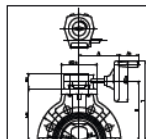
*RESIDUAL STOCKS ONLY.

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 50 - 160MM NP10/16 * 225MM & ABOVE NP10

PVC-U METRIC

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - FPM SEAL

SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A	A1	A2
50•	033.73IH6.050R		150	82	100	160	39	124	75	95	60	204	167	80	47
63•	033.73IH6.063R		165	87	100	160	42	130	83	101	60	210	167	80	47
75•	033.73IH6.075R		185	112	100	160	46	141	93	112	60	221	167	80	47
90•	033.73IH6.090R		200	123	100	160	46	148	100	119	60	228	167	80	47
110•	033.73IH6.110R		229	147	100	160	56	166	115	137	60	246	167	80	47
140•	033.73IH6.140R		254	180	140	160	66	193	127	164	60	273	167	80	47
160•	033.73IH6.160R		285	210	140	160	71	206	143	177	60	286	167	80	47
225•	033.73IH6.225R		340	257	140	160	87	238	170	209	60	318	167	80	47
250•	033.73IH6.250R		406	316	180	200	110	270	203	241	60	370	199	95	60
315•	033.73IH6.315R		483	370	235	250	129	331	242	298	69	456	212	95	76
355•	033.73IH6.355R		520	420	235	250	129	339	260	306	69	464	212	95	76
400•	033.73IH6.400R		600	470	235	250	169	383	300	350	69	508	212	95	76



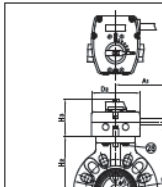
ASAHI AV VAI

*RESIDUAL STOCKS ONLY.

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 50 - 160MM NP10/16 * 225MM & ABOVE NP10

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - EPDM SEAL

SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A1	A2
50•	033.73IH7.050Q		150	71	122	160	39	130	75	95	92	210	167	64
63•	033.73IH7.063Q		165	81	122	160	42	140	83	105	92	220	167	64
75•	033.73IH7.075Q		185	95	122	160	46	150	93	115	92	230	167	64
90•	033.73IH7.090Q		211	105	122	160	46	165	106	130	92	245	167	64
110•	033.73IH7.110Q		238	134	122	160	56	180	119	145	92	260	167	64
140•	033.73IH7.140Q		263	169	122	160	66	195	132	160	92	275	167	64
160•	033.73IH7.160Q		285	190	122	160	71	210	143	175	92	290	167	64
225•	033.73IH7.225Q		340	242	122	160	87	241	170	206	92	321	167	64
250•	033.73IH7.280Q		421	302	122	160	112	276	211	241	92	356	167	64
315•	033.73IH7.315Q		488	360	188	300	129	340	244	298	108	490	272	99
355•	033.73IH7.355Q		539	393	188	300	129	367	270	325	108	517	272	99



ASAHI AV VAI

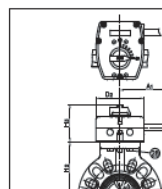
BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 50 - 160MM NP10/16 * 225MM & ABOVE NP10

• NON COMER PRODUCT

PVC-U MANUAL VALVES

INDUSTRIAL BUTTERFLY VALVE - PVC-U BODY AND PVC-U DISC WITH HANDWHEEL AND REDUCTION GEARBOX - S/S SHAFT - FPM SEAL

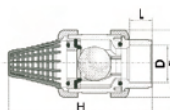
ASAHI AV VALVES



SIZE	PART NO	PRICE	D	D1	D2	D3	L	H	H1	H2	H3	I	A1	A2
50	033.73IH7.050R		150	71	122	160	39	130	75	95	92	210	167	64
63	033.73IH7.063R		165	81	122	160	42	140	83	105	92	220	167	64
75	033.73IH7.075R		185	95	122	160	46	150	93	115	92	230	167	64
90	033.73IH7.090R		211	105	122	160	46	165	106	130	92	245	167	64
110	033.73IH7.110R		238	134	122	160	56	180	119	145	92	260	167	64
140	033.73IH7.140R		263	169	122	160	66	195	132	160	92	275	167	64
160	033.73IH7.160R		285	190	122	160	71	210	143	175	92	290	167	64
225	033.73IH7.225R		340	242	122	160	87	241	170	206	92	321	167	64
250	033.73IH7.280R		421	302	122	160	112	276	211	241	92	356	167	64
315	033.73IH7.315R		488	360	188	300	129	340	244	298	108	490	272	99
355	033.73IH7.355R		539	393	188	300	129	367	270	325	108	517	272	99

BUTTERFLY VALVES ARE DESIGNED FOR INSTALLATION BETWEEN THE FOLLOWING FLANGES: * 50 - 160MM NP10/16 * 225MM & ABOVE NP10

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



D	PART NO	PRICE	L	H	E	Wt (g)					
20•	022.861.020Q		16	107	52	150					
25•	022.861.025Q		19	130	62	200					
32•	022.861.032Q		22	154	70	330					
40•	022.861.040Q		26	176	84	530					
50•	022.861.050Q		31	202	94	680					
63•	022.861.063Q		38	239	117	1230					
75•	022.861.075Q		44	306	148	2550					
90•	022.861.090Q		51	362	179	4550					
110•	022.861.110Q		61	367	179	4600					

SPRING MATERIAL = STAINLESS STEEL

PLEASE SEE PAGE 71 FOR PRICES FOR VALVES WITH THREADED ENDS

SIGHT GLASS - EPDM SEAL



SIZE	PART NO	PRICE
50•	021.893.06Q	
63•	021.893.07Q	
75•	022.891.075Q	
90•	022.891.090Q	
110•	022.891.110Q	
125•	022.891.125Q	
140•	022.891.140Q	
160•	022.891.160Q	
200•	022.891.200Q	
225•	022.891.225Q	

END CONFIGURATION SIZES 50mm AND 63mm
= BSP FEMALE THREAD

END CONFIGURATION SIZES 75mm - 225mm
INCLUSIVE - PLAIN SOLVENT SOCKET

LABORATORY BALL VALVE - PLAIN



SIZE	PART NO	PRICE
12	022.981.012	
16	022.981.016	

• NON COMER PRODUCT

PVC-U MANUAL VALVES

VARIABLE AREA FLOWMETER - STANDARD PATTERN - TROGAMID TUBE - STAINLESS STEEL FLOAT - EPDM SEALS



SIZE	PART NO	PRICE	SCALE	G	D	L1	L2	L3	L4	Wt (g)	
25•	022.1161.03A		20-250 LHR	11/4"	53	350	356	375	394	450	
25•	022.1161.03B		40-400 LHR	11/4"	53	350	356	375	394	450	
25•	022.1161.03C		60-640 LHR	11/4"	53	350	356	375	394	450	
25•	022.1161.03D		75-1000 LHR	11/4"	53	350	356	375	394	440	
32•	022.1161.04A		40-400 LHR	11/2"	60	350	356	376	400	620	
32•	022.1161.04B		60-640 LHR	11/2"	60	350	356	376	400	610	
32•	022.1161.04C		100-1000 LHR	11/2"	60	350	356	376	400	600	
32•	022.1161.04D		150-1600 LHR	11/2"	60	350	356	376	400	590	
40•	022.1161.05A		150-1600 LHR	2"	74	350	356	380	408	1110	
40•	022.1161.05B		200-2500 LHR	2"	74	350	356	380	408	1090	
40•	022.1161.05C		400-4000 LHR	2"	74	350	356	380	408	1070	
50•	022.1161.06A		200-2500 LHR	2 1/4"	83	350	356	382	418	1420	
50•	022.1161.06B		400-4000 LHR	2 1/4"	83	350	356	382	418	1390	
50•	022.1161.06C		500-5000 LHR	2 1/4"	83	350	356	382	418	1380	
63•	022.1161.07A		0.4-4.0 M/HR	2 3/4"	103	350	356	386	433	2000	
63•	022.1161.07B		0.6-6.4 M/HR	2 3/4"	103	350	356	386	433	1970	
63•	022.1161.07C		1.0-10.0 M/HR	2 3/4"	103	350	356	386	433	1920	
75•	022.1161.08A		1.5-14.0 M/HR	3 1/2"	122	350	356	388	445	3310	
75•	022.1161.08B		2.0-20.0 M/HR	3 1/2"	122	350	356	388	445	3310	

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SWITCHES, SENSORS, SPECIAL SCALES

VARIABLE AREA FLOWMETER - SHORT PATTERN - TROGAMID TUBE - STAINLESS STEEL FLOAT - EPDM SEALS



SIZE	PART NO	PRICE	SCALE	G	D	L1	L2	L3	L4	Wt (g)	
16•	022.1171.01A		4-40 LHR	3/4"	35	165	171	186	199	80	
16•	022.1171.01B		5-60 LHR	3/4"	35	165	171	186	199	80	
16•	022.1171.01C		10-100 LHR	3/4"	35	165	171	186	199	80	
16•	022.1171.01D		15-160 LHR	3/4"	35	165	171	186	199	80	
16•	022.1171.01E		20-250 LHR	3/4"	35	165	171	186	199	80	
20•	022.1171.02A		10-100 LHR	1"	43	170	176	192	208	130	
20•	022.1171.02B		15-160 LHR	1"	43	170	176	192	208	130	
20•	022.1171.02C		20-250 LHR	1"	43	170	176	192	208	130	
20•	022.1171.02D		40-400 LHR	1"	43	170	176	192	208	130	
20•	022.1171.02E		50-500 LHR	1"	43	170	176	192	208	130	
25•	022.1171.03A		20-250 LHR	1 1/4"	53	185	191	210	229	240	
25•	022.1171.03B		40-400 LHR	1 1/4"	53	185	191	210	229	240	
25•	022.1171.03C		60-600 LHR	1 1/4"	53	185	191	210	229	240	
25•	022.1171.03D		100-1000 LHR	1 1/4"	53	185	191	210	229	240	
32•	022.1171.04A		40-400 LHR	1 1/2"	59	200	206	226	250	340	
32•	022.1171.04B		60-650 LHR	1 1/2"	59	200	206	226	250	340	
32•	022.1171.04C		100-1000 LHR	1 1/2"	59	200	206	226	250	340	
32•	022.1171.04D		150-1600 LHR	1 1/2"	59	200	206	226	250	340	

OPTIONAL ITEMS ON REQUEST: POLYSULFONE TUBE, PP FLOAT, MAGNETIC FLOAT, SPECIAL SCALES

PVC-U METRIC

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

PVC-U METRIC

ELECTRICALLY ACTUATED BALL VALVE

EPDM SEALS- PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
16	022.6611.EAJ.016Q	
20	022.6611.EAJ.020Q	
25	022.6611.EAJ.025Q	
32	022.6611.EAJ.032Q	
40	022.6611.EAJ.040Q	
50	022.6611.EAJ.050Q	
63	022.6611.EAJ.063Q	
75	022.6611.EAJ.075Q	
90	022.6611.EAJ.090Q	
110	022.6611.EAJ.110Q	

EPDM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
16	022.6611.EAC.016Q	
20	022.6611.EAC.020Q	
25	022.6611.EAC.025Q	
32	022.6611.EAC.032Q	
40	022.6611.EAC.040Q	
50	022.6611.EAC.050Q	
63	022.6611.EAC.063Q	
75	022.6611.EAC.075Q	
90	022.6611.EAC.090Q	
110	022.6611.EAC.110Q	

PLEASE SEE PAGE 73 FOR PRICES FOR VALVES WITH THREADED ENDS

FPM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
16	022.6611.EAJ.016R	
20	022.6611.EAJ.020R	
25	022.6611.EAJ.025R	
32	022.6611.EAJ.032R	
40	022.6611.EAJ.040R	
50	022.6611.EAJ.050R	
63	022.6611.EAJ.063R	
75	022.6611.EAJ.075R	
90	022.6611.EAJ.090R	
110	022.6611.EAJ.110R	

FPM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
16	022.6611.EAC.016R	
20	022.6611.EAC.020R	
25	022.6611.EAC.025R	
32	022.6611.EAC.032R	
40	022.6611.EAC.040R	
50	022.6611.EAC.050R	
63	022.6611.EAC.063R	
75	022.6611.EAC.075R	
90	022.6611.EAC.090R	
110	022.6611.EAC.110R	

PLEASE SEE PAGE 73 FOR PRICES FOR VALVES WITH THREADED ENDS

ELECTRICALLY ACTUATED ISO TOP BALL VALVE

EPDM SEALS- PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
32•	022.6611.EAJ.032Q	
50•	022.6611.EAJ.050Q	
63•	022.6611.EAJ.063Q	

EPDM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
32•	022.6611.EAC.032Q	
50•	022.6611.EAC.050Q	
63•	022.6611.EAC.063Q	

FPM SEALS - PLAIN ENDS - 110-240V AC



d	PART NO	PRICE
32•	022.6611.EAJ.032R	
50•	022.6611.EAJ.050R	
63•	022.6611.EAJ.063R	

FPM SEALS - PLAIN ENDS - 24V AC/DC



d	PART NO	PRICE
32•	022.6611.EAC.032R	
50•	022.6611.EAC.050R	
63•	022.6611.EAC.063R	

PLEASE SEE PAGE 74 FOR PRICES FOR VALVES WITH THREADED ENDS

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED BALL VALVE - SPRING RETURN ACTUATOR

EPDM SEALS - PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
16	022.66I1.PANC.016Q	
20	022.66I1.PANC.020Q	
25	022.66I1.PANC.025Q	
32	022.66I1.PANC.032Q	
40	022.66I1.PANC.040Q	
50	022.66I1.PANC.050Q	
63	022.66I1.PANC.063Q	
75	022.66I1.PANC.075Q	
90	022.66I1.PANC.090Q	
110	022.66I1.PANC.110Q	

EPDM SEALS - PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
16	022.66I1.PANO.016Q	
20	022.66I1.PANO.020Q	
25	022.66I1.PANO.025Q	
32	022.66I1.PANO.032Q	
40	022.66I1.PANO.040Q	
50	022.66I1.PANO.050Q	
63	022.66I1.PANO.063Q	
75	022.66I1.PANO.075Q	
90	022.66I1.PANO.090Q	
110	022.66I1.PANO.110Q	

PLEASE SEE PAGE 75 FOR PRICES FOR VALVES WITH THREADED ENDS

FPM SEALS - PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
16	022.66I1.PANC.016R	
20	022.66I1.PANC.020R	
25	022.66I1.PANC.025R	
32	022.66I1.PANC.032R	
40	022.66I1.PANC.040R	
50	022.66I1.PANC.050R	
63	022.66I1.PANC.063R	
75	022.66I1.PANC.075R	
90	022.66I1.PANC.090R	
110	022.66I1.PANC.110R	

FPM SEALS - PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
16	022.66I1.PANO.016R	
20	022.66I1.PANO.020R	
25	022.66I1.PANO.025R	
32	022.66I1.PANO.032R	
40	022.66I1.PANO.040R	
50	022.66I1.PANO.050R	
63	022.66I1.PANO.063R	
75	022.66I1.PANO.075R	
90	022.66I1.PANO.090R	
110	022.66I1.PANO.110R	

PLEASE SEE PAGE 75 FOR PRICES FOR VALVES WITH THREADED ENDS

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

PVC-U METRIC

PVC-U ACTUATED VALVES

PNEUMATICALLY ACTUATED BALL VALVE - DOUBLE ACTING ACTUATOR

EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE
16	022.66I1.PADA.016Q	
20	022.66I1.PADA.020Q	
25	022.66I1.PADA.025Q	
32	022.66I1.PADA.032Q	
40	022.66I1.PADA.040Q	
50	022.66I1.PADA.050Q	
63	022.66I1.PADA.063Q	
75	022.66I1.PADA.075Q	
90	022.66I1.PADA.090Q	
110	022.66I1.PADA.110Q	

PLEASE SEE PAGE 76 FOR PRICES FOR VALVES WITH THREADED ENDS

FPM SEALS - PLAIN ENDS



d	PART NO	PRICE
16	022.66I1.PADA.016R	
20	022.66I1.PADA.020R	
25	022.66I1.PADA.025R	
32	022.66I1.PADA.032R	
40	022.66I1.PADA.040R	
50	022.66I1.PADA.050R	
63	022.66I1.PADA.063R	
75	022.66I1.PADA.075R	
90	022.66I1.PADA.090R	
110	022.66I1.PADA.110R	

PLEASE SEE PAGE 76 FOR PRICES FOR VALVES WITH THREADED ENDS

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

PVC-U METRIC

PNEUMATICALLY ACTUATED ISO TOP BALL VALVE - SPRING RETURN ACTUATOR

EPDM SEALS- PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
32•	022.6611.PANC.032Q	
50•	022.6611.PANC.050Q	
63•	022.6611.PANC.063Q	

EPDM SEALS- PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
32•	022.6611.PANO.032Q	
50•	022.6611.PANO.050Q	
63•	022.6611.PANO.063Q	

FPM SEALS- PLAIN ENDS - FAIL SAFE CLOSE



d	PART NO	PRICE
32•	022.6611.PANC.032R	
50•	022.6611.PANC.050R	
63•	022.6611.PANC.063R	

FPM SEALS- PLAIN ENDS - FAIL SAFE OPEN



d	PART NO	PRICE
32•	022.6611.PANO.032R	
50•	022.6611.PANO.050R	
63•	022.6611.PANO.063R	

PLEASE SEE PAGE 77 FOR PRICES FOR VALVES WITH THREADED ENDS

PVC-U METRIC

PNEUMATICALLY ACTUATED ISO TOP BALL VALVE - DOUBLE ACTING ACTUATOR

EPDM SEALS - PLAIN ENDS



d	PART NO	PRICE
32•	022.6611.PADA.032Q	
50•	022.6611.PADA.050Q	
63•	022.6611.PADA.063Q	

FPM SEALS - PLAIN ENDS



d	PART NO	PRICE
32•	022.6611.PADA.032R	
50•	022.6611.PADA.050R	
63•	022.6611.PADA.063R	

PLEASE SEE PAGE 78 FOR PRICES FOR VALVES WITH THREADED ENDS

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

PVC-U ACTUATED VALVES

PVC-U METRIC

ELECTRICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT

EPDM LINER - 110-240V AC



d	PART NO	PRICE
75•	023.73E.EAJ.075Q-V	
90•	023.73E.EAJ.090Q-V	
110•	023.73E.EAJ.110Q-V	
140•	023.73E.EAJ.140Q-V	
160•	023.73E.EAJ.160Q-V	
225•	023.73E.EAJ.225Q-V	

EPDM LINER - 24V AC/DC



d	PART NO	PRICE
75•	023.73E.EAC.075Q-V	
90•	023.73E.EAC.090Q-V	
110•	023.73E.EAC.110Q-V	
140•	023.73E.EAC.140Q-V	
160•	023.73E.EAC.160Q-V	
225•	023.73E.EAC.225Q-V	

OPTIONAL ITEMS ON REQUEST: FAILSAFE BATTERY SPRING RETURN KIT, MODULATING DIGITAL POSITIONING SYSTEM KIT

PNEUMATICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT - SPRING RETURN ACTUATOR

EPDM LINER - FAIL SAFE CLOSE



d	PART NO	PRICE
75•	023.73E.PANC.075Q-V	
90•	023.73E.PANC.090Q-V	
110•	023.73E.PANC.110Q-V	
140•	023.73E.PANC.140Q-V	
160•	023.73E.PANC.160Q-V	
225•	023.73E.PANC.225Q-V	

EPDM LINER - FAIL SAFE OPEN



d	PART NO	PRICE
75•	023.73E.PANO.075Q-V	
90•	023.73E.PANO.090Q-V	
110•	023.73E.PANO.110Q-V	
140•	023.73E.PANO.140Q-V	
160•	023.73E.PANO.160Q-V	
225•	023.73E.PANO.225Q-V	

PNEUMATICALLY ACTUATED BUTTERFLY VALVE - PVC BODY & DISC - ST.ST SHAFT - DOUBLE ACTING ACTUATOR

EPDM LINER



d	PART NO	PRICE
75•	023.73E.PADA.075Q-V	
90•	023.73E.PADA.090Q-V	
110•	023.73E.PADA.110Q-V	
140•	023.73E.PADA.140Q-V	
160•	023.73E.PADA.160Q-V	
225•	023.73E.PADA.225Q-V	

OPTIONAL ITEMS ON REQUEST: LIMIT SWITCHBOXES, POSITIONERS, PILOT SOLENOIDS
FOR HAZARDOUS AREA ITEMS PLEASE CONTACT OUR SALES OFFICE

• NON COMER PRODUCT

PVC-U INDUSTRIAL BALL VALVE SPARES

METRIC VALVE END PLAIN



SIZE	PART NO	PRICE
16	VEMPPVC016	
20	VEMPPVC020	
25	VEMPPVC025	
32	VEMPPVC032	
40	VEMPPVC040	
50	VEMPPVC050	
63	VEMPPVC063	
75	VEMPPVC075	
90	VEMPPVC090	
110	VEMPPVC110	

FOR THREADED ENDS PLEASE SEE PAGE 80

EPDM SEAL KIT



SIZE	PART NO	PRICE
16	BIG/E016	
20	BIG/E020	
25	BIG/E025	
32	BIG/E032	
40	BIG/E040	
50	BIG/E050	
63	BIG/E063	
75	BIG/E075	
90	BIG/E090	
110	BIG/E110	

VALVE NUT



SIZE	PART NO	PRICE
16/20	VNPVC020	
25	VNPVC025	
32	VNPVC032	
40	VNPVC040	
50	VNPVC050	
63	VNPVC063	
75	VNPVC075	
90	VNPVC090	
110	VNPVC110	

FPM SEAL KIT



SIZE	PART NO	PRICE
16	BIG/F016	
20	BIG/F020	
25	BIG/F025	
32	BIG/F032	
40	BIG/F040	
50	BIG/F050	
63	BIG/F063	
75	BIG/F075	
90	BIG/F090	
110	BIG/F110	

PE VALVE END PLAIN - SDR11 EXCEPT ** SDR17



SIZE	PART NO	PRICE
20	VEMPPE020	
25	VEMPPE025	
32	VEMPPE032	
40	VEMPPE040	
50	VEMPPE050	
63	VEMPPE063	
75	VEMPPE075	
75**	VEMPPE075A	
90	VEMPPE090	
90**	VEMPPE090A	

VALVE HANDLE



SIZE	PART NO	PRICE
16/20	BDH.020	
25	BDH.025	
32	BDH.032	
40	BDH.040	
50	BDH.050	
63	BDH.063	
75	BDH.075	
90	BDH.090	
110	BDH.110	

PVC-U METRIC

PVC-U ACCESSORIES

GRIFFON UNI100 PVC-U CEMENT



SIZE	PART NO	PRICE
125ml [^]	96.E101020	
250ml*	96.E101030	
500ml	96.E101080	

[^] TUBE

* TUB WITH BRUSH

12mm WIDE PTFE THREAD SEAL TAPE



SIZE	PART NO	PRICE
12m	96.50.0012	

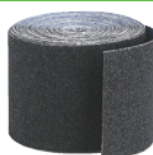
GRIFFON WDF-05



SIZE	PART NO	PRICE
250ml	96.45.0240	
500ml	96.45.0500	

* PLASTIC BOTTLE WITH BRUSH

5 METRE ROLL OF EMERY TAPE – 80 GRIT



SIZE	PART NO	PRICE
50mm wide	96.51.08015	

GRIFFON UNI100 XT PVC-U CEMENT



SIZE	PART NO	PRICE
125ml [^]	96.E6300545	
250ml*	96.E6300425	
500ml*	96.E6300497	
1000ml*	96.E6300427	

[^] TUBE

* TUB WITH BRUSH

GLUE BRUSHES



SIZE	PART NO	PRICE
4mm	96.49.004R	
8mm	96.49.008R	
1/2"	96.49.015F	
1"	96.49.025F	
1 1/2"	96.49.040F	
2"	96.49.050F	
3"	96.49.075F	

GRIFFON UNI100 GT PVC-U CEMENT



SIZE	PART NO	PRICE
5 litres	96.E101160	

* A SLOWER SETTING PVC CEMENT WHICH IS NORMALLY USED IN LARGE DIAMETER INSTALLATIONS

GRIFFON MULTI-FUNCTIONAL WIPES



SIZE	PART NO	PRICE
1x75	96.E6307282	

GRIFFON CLEANING FLUID



SIZE	PART NO	PRICE
500ml	96.E200021	
5000ml	96.E200035	

GRIFFON BLUE GEL



SIZE	PART NO	PRICE
250g [^]	96.E6305316	
800g	96.E6140010	

[^] TUBE

GRIFFON HCR-36 CHEMICAL CEMENT



SIZE	PART NO	PRICE
1000ml	96.E114091	

GRIFFON LUBRICANT



SIZE	PART NO	PRICE
400ml	96.E6160150	

GRIFFON HCR-36 CHEMICAL CLEANER



SIZE	PART NO	PRICE
500ml	96.E120006	

GRIFFON HAND CLEANER



SIZE	PART NO	PRICE
500ml	96.E6307283	

GRIFFON CLEANER CLOTHS



SIZE	PART NO	PRICE
1x100	96.E6307417	

PVC-U ACCESSORIES

GRIFON CABLE SAW



SIZE	PART NO	PRICE
	96.E6307762	

GRIFON CHAMFERING TOOL



SIZE	PART NO	PRICE
20-63	96.E6307771	

GRIFON DE-BURRING TOOL



SIZE	PART NO	PRICE
	96.E6307765	

GRIFON AQUA-MAX POOL SEALANT



SIZE	PART NO	PRICE
425g	96.E6308214	

PVC-U METRIC

INDUSTRIAL PIPE CLIP - BLACK P/P



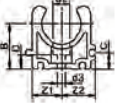
TYPE B



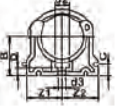
TYPE C



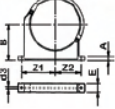
TYPE D



TYPE B



TYPE C



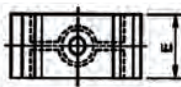
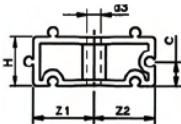
TYPE D

SIZE	PART NO	PRICE	TYPE	d ₂	d ₃	Z ₁	Z ₂	B	C	D	E	Wt (g)
16	962.41.016		B	10.5	5.5	14	16.5	23	10	6	16	6
20	962.41.020		B	10.5	5.5	16.5	19	25	10	6	16	8
25	962.41.025		B	10.5	5.5	19	21.5	27.5	10	6	16	10
32	962.41.032		B	10.5	5.5	24	26.5	31	10	6	16	12
40	962.41.040		C	14	6.5	33.5	33.5	35	10	6.5	22	26
50	962.41.050		C	14	6.5	37	37	40	10	6.5	22	29
63	962.41.063		C	17	8.5	44.5	44.5	51.5	10	6.5	25	48
75	961.41.08		C	17	8.5	52	52	57.5	10	10	25	73
90	961.41.09		C	17	8.5	64.5	64.5	65	10	10	28	107
110	962.41.110		C	17	8.5	78	78	75	10	10	28	120
125	962.41.125		C	17	8.5	88	88	90	10	10	31.5	190
140	961.41.11		C	17	8.5	97	97	110	10	10	31.5	270
140	962.41.140A		D		8.5	120.5	97.5	130		20	35	340
160	962.41.160		C	17	8.5	109	109	107.5	10	10	31.5	360
160	962.41.160A		D		8.5	130.5	106.5	147.5		20	35	390
180	962.41.180		D		11	142.5	115	162.5		20	35	440
200	962.41.200		D		13	151.5	119.5	175		25	40	657
225	962.41.225		D		13	164.5	131.5	175		25	40	683
250	962.41.250		D		13	182.5	142.5	200		25	40	786
280	962.41.280		D		13	197.5	155.5	200		25	40	825
315	962.41.315		D		13	218.5	171.5	225		25	40	963
355	962.41.355		D		17	276	210	257		30	50	1473
400	962.41.400		D		17	301	230	288		30	50	1698

SIZES 12mm TO 32mm INCLUSIVE ARE NOT SUPPLIED WITH RETAINING STRAPS

SIZES 180mm TO 400mm INCLUSIVE ARE SUPPLIED COMPLETE WITH STRAP AND BZP STRAP BOLT

INDUSTRIAL SPACING BLOCK - BLACK P/P



SIZE	PART NO	PRICE	d ₃	Z ₁	Z ₂	H	C	E	Wt (g)
16	961.42.01		5.5	14	16.5	20	10	16	4.5
20	961.42.02		5.5	16.5	19	20	10	16	5
25	961.42.03		5.5	19	21.5	20	10	16	6
32	961.42.04		5.5	24	26.5	20	10	16	8
40	961.42.05		6.5	33.5	33.5	20	10	22	16
50	961.42.06		6.5	37	37	20	10	22	17
63	961.42.07		8.5	44.5	44.5	20	10	25	24
75	961.42.08		8.5	52	52	20	10	25	28
90	961.42.09		8.5	64.5	64.5	20	10	28	42
110	961.42.10		8.5	78	78	20	10	28	49

RUBBER LINED PIPE CLIPS AVAILABLE - SEE PAGE 83

PVC-U ACCESSORIES

EPDM STUB GASKET



PVC-U METRIC

SIZE	PART NO	PRICE	D	d	Wt (g)						
20	983.151.02		33	18	2						
25	983.151.03		40	23	3						
32	983.151.04		48	30	4						
40	983.151.05		58	33	6						
50	983.151.06		70	44	8						
63	983.151.07		87	60	11						
75	983.151.08		103	77	16						
90	983.151.09		121	85	21						
110	983.151.10		147	105	31						
125	983.151.11		165	120							
140	983.151.11A		183	143	37						
160	983.151.12		210	170	43						
180	983.151.12A										
200	983.151.13		248	192							
225	983.151.13A		265	215	80						
250	983.151.14		303	240							
280	983.151.14A		323	273							
315	983.151.15		378	315							
355	983.151.16		430	340							
400	983.151.17		482	385							
450	983.151.18										
500	983.151.19										
630	983.151.20										

STANDARD GASKETS ARE 3.0MM THICK

EPDM FULL FACE GASKET - B54504 NP10/16



SIZE	PART NO	PRICE	d ₃	d ₁	d ₂	Holes	Wt (g)				
20	983.171.02Z		91	22	65	4	22				
25	983.171.03Z		101	26	75	4	31				
32	983.171.04Z		116	36	85	4	34				
40	983.171.05Z		140	43	100	4	48				
50	983.171.06Z		150	50	110	4	51				
63	983.171.07Z		165	60	125	4	66				
75	983.171.08Z		185	77	145	4	80				
90	983.171.09Z		200	89	160	8	86				
110	983.171.10Z		220	115	180	8	95				
125	983.171.11Z				210	8					
140	983.171.11AZ		250	141	210	8	108				
160	983.171.12Z		286	170	240	8	136				
180	983.171.12AZ				240	8					
200 NP10	983.171.13Y				295	8					
200 NP16	983.171.13Z				295	8					
225 NP10	983.171.13AY		341	227	295	8					
225 NP16	983.171.13AZ				295	12					
250 NP10	983.171.14Y				350	12					
250 NP16	983.171.14Z				355	12					
280 NP10	983.171.14AY				350	12					
280 NP16	983.171.14AZ				355	12					
315 NP10	983.171.15Y				400	12					
315 NP16	983.171.15Z				410	12					
355 NP10	983.171.16Y				460	16					
355 NP16	983.171.16Z				470	16					
400 NP10	983.171.17Y				515	16					
400 NP16	983.171.17Z				525	16					
500 NP10	983.171.19Y				620	20					
500 NP16	983.171.19Z				650	20					

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.)

EPDM FULL FACE GASKET - BS10 TABLES D & E



SIZE	PART NO	PRICE	d ₃	d ₁	d ₂	Holes	Wt (g)				
20	983.171.02W		91	22	67	4	22				
25	983.171.03W		101	26	73	4	31				
32	983.171.04W		116	36	83	4	34				
40	983.171.05W		140	43	88	4	48				
50	983.171.06W		150	50	98	4	51				
63	983.171.07W		165	60	115	4	66				
75	983.171.08W		185	77	127	4	80				
90	983.171.09W		200	89	146	4	86				
110 D	983.171.10V		220	115	178	4	95				
110 E	983.171.10W		220	115	178	8	95				
125	983.171.11W				210	8	108				
140	983.171.11AW		250	141	210	8	108				
160	983.171.12W		286	170	235	8	136				
180	983.171.12AW				235	8	136				
200 D	983.171.13V				292	8	177				
200 E	983.171.13W				292	8	177				
225 D	983.171.13AV		341	221	292	8	177				
225 E	983.171.13AW		341	221	292	8	177				

PVC-U METRIC

EPDM FULL FACE GASKET - ASA 150



SIZE	PART NO	PRICE	d ₃	d ₁	d ₂	Holes	Wt (g)				
20	983.171.02X		91	22	60	4	22				
25	983.171.03X		101	26	70	4	31				
32	983.171.04X		116	36	79	4	34				
40	983.171.05X		140	43	89	4	48				
50	983.171.06X		150	50	98	4	51				
63	983.171.07X		165	60	121	4	66				
75	983.171.08X		185	77	140	4	80				
90	983.171.09X		200	89	152	4	86				
110	983.171.10X		220	115	190	8	95				
125	983.171.11X				190	8	108				
140	983.171.11AX		250	141	216	8	108				
160	983.171.12X		286	170	241	8	136				
180	983.171.12AX				241	8	136				
200	983.171.13X				298	8	177				
225	983.171.13AX		341	221	298	8	177				
250	983.171.14X				362	12					
280	983.171.14AX				362	12					
315	983.171.15X				432	12					

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 ACCESSORIES

GALVANISED MILD STEEL BACKING RING - BS4504 NP10/16



PVC-U METRIC

SIZE	PART NO	PRICE	d ₁	d ₂	d ₃	Holes	Wt (g)				
20	991.331.02Z		95	28	65	4	300				
25	991.331.03Z		104	34	75	4	400				
32	991.331.04Z		111	42	85	4	500				
40	991.331.05Z		140	51	100	4	750				
50	991.331.06Z		152	62	110	4	900				
63	991.331.07Z		164	78	125	4	1000				
75	991.331.08Z		185	92	145	4	1200				
90	991.331.09Z		199	110	160	8	1300				
110	991.331.10Z		218	133	180	8	1400				
125	992.331.11Z				210	8	1650				
140	991.331.11Z		249	167	210	8	1650				
160	991.331.12ZS		283	196	240	8	2600				
180	991.331.12AZ				240	8	2600				
200 NP10	992.331.200Y				295	8	3000				
200 NP16	992.331.200Z				295	8	3000				
225 NP10	991.331.13Y		339	250	295	8	3000				
225 NP16	991.331.13Z		339	250	295	12	3000				
250 NP10	992.331.250Y				350	12					
250 NP16	992.331.250Z				355	12					
280 NP10	992.331.280Y				350	12					
280 NP16	992.331.280Z				355	12					
315 NP10	992.331.315Y				400	12					
315 NP16	992.331.315Z				410	12					
355 NP10	992.331.355Y				460	16					
355 NP16	992.331.355Z				470	16					
400 NP10	992.331.400Y				515	16					
400 NP16	992.331.400Z				525	16					
500 NP10	992.331.500Y				620	20					
500 NP16	992.331.500Z				650	20					

GALVANISED MILD STEEL BACKING RING - BS10 TABLES D & E



SIZE	PART NO	PRICE	d ₁	d ₂	d ₃	Holes	Wt (g)				
20	991.331.02W		95	28	67	4	300				
25	991.331.03W		104	34	73	4	400				
32	991.331.04W		111	42	83	4	500				
40	991.331.05W		140	51	88	4	750				
50	991.331.06W		152	62	98	4	900				
63	991.331.07W		164	78	115	4	1000				
75	991.331.08W		185	92	127	4	1200				
90	991.331.09W		199	110	146	4	1300				
110	991.331.10V		218	133	178	4	1400				
110	991.331.10W		218	133	178	8	1400				
125	992.331.125W				210	8	1650				
140	991.331.11W		249	167	210	8	1650				
160	991.331.12WS		283	196	235	8	2600				
180	992.331.180W				235	8	2600				
200 D	992.331.200V				292	8	3000				
200 E	992.331.200W				292	8	3000				
225 D	991.331.13V				292	8	3000				
225 E	991.331.13W		339	250	292	8	3000				

GALVANISED MILD STEEL BACKING RING - ASA 150



SIZE	PART NO	PRICE	d ₃	d ₁	d ₂	Holes	Wt (g)				
20	991.331.02X		95	28	60	4	300				
25	991.331.03X		104	34	70	4	400				
32	991.331.04X		111	42	79	4	500				
40	991.331.05X		140	51	89	4	750				
50	991.331.06X		152	62	98	4	900				
63	991.331.07X		164	78	121	4	1000				
75	991.331.08X		185	92	140	4	1200				
90	991.331.09X		199	110	152	4	1300				
110	991.331.10X		218	133	190	8	1400				
125	992.331.125X				190	8	1650				
140	991.331.11AX		249	167	216	8	1650				
160	991.331.12X		283	196	241	8	2600				
180	991.331.12AX				241	8	2600				
200	992.331.200X				298	8	3000				
225	991.331.13X		339	250	298	8	3000				
250	992.331.250X				362	12					
280	992.331.280X				362	12					
315	992.331.315X				432	12					

PVC-U METRIC

PVC-U BACKING RING - BS4504 NP10/16



SIZE	PART NO	PRICE	D	E	S	F	I	Holes	Wt (g)		
20	022.331.020Z		28	95	11	14	65	4	68		
25	022.331.025Z		34	105	12	14	75	4	90		
32	022.331.032Z		42	115	14	14	85	4	120		
40	022.331.040Z		51	142	15	18	100	4	195		
50	022.331.050Z		62	152	16	18	110	4	230		
63	022.331.063Z		78	165	18	18	125	4	280		
75	022.331.075Z		92	185	19	18	145	4	355		
90	022.331.090Z		110	200	20	18	160	8	430		
110	022.331.110Z		133	220	22	18	180	8	520		
125*	022.331.125X		149	230	24	18	190	8	585		
140	022.331.140Z		167	250	26	18	210	8	700		
160	022.331.160Z		190	285	28	22	240	8	930		
180	022.331.180Z		203	318	32	22	270	8	1800		
200 NP10	022.331.200Y		235	340	30	22	295	8	1200		
225 NP10	022.331.225Y		250	340	30	22	295	8	1270		
250 NP10	022.331.250Y		280	395	34	22	350	12	1680		
280 NP10	022.331.280Y		310	395	30	22	350	12	2000		
315 NP10	022.331.315Y		349	445	31	22	400	12	2700		
355 NP10	022.331.355Y		388	511	34	22	460	16	3550		
400 NP10	022.331.400Y		438	572	34	25	515	16	4500		
500 NP10	022.331.500Y		534	680	35	25	620	20	6100		

* DRILLED 4" ASA 150