



NINGBO SALVADOR PIPING SYSTEM CO.,LTD.
SALVADOR INDUSTRIAL CO.,LTD

NINGBO SALVADOR PIPING SYSTEM CO.,LTD.
SALVADOR INDUSTRIAL CO.,LTD
SWD

Address: 3F,No.5 Building,568 Si Ming East Road, Yinzhou,Ningbo
City,China

Phone: +86-574-88324025

Fax: +86-574-88324025

Mob: +86-15869351645

Email: sales01@swdplastic.com

Web: www.swdplastic.com



PROFESSIONAL MANUFACTURER OF
PLASTIC PIPES & VALVES & FITTINGS

Company Profile
»

SWD PLASTIC (NINGBO SALVADOR PIPING SYSTEM CO., LTD) is a leading manufacturer and exporter of plastic pipes, valves and fittings, we are committed to provide piping system solutions to customers all over the world. Salvador Industrial stick to the principle of "Quality First, Service First, Continuous Improvement and Innovation to meet the requirements of Customers".

SWD Products are widely used in Agricultural Irrigation, Wastewater Treatment, Aquaculture, Pharmaceutical Industry, Electroplating, Papermaking Industry, Chemical Industry, Mining plant, Power Station, Drainage, and other applications involving corrosive fluid transfer. Most of our products confirm to ANSI, DIN, BS, JIS & TIS standard and have been already exported to the countries below: United States, Canada, Germany, UK, Spain, Austria, Mexico, Argentina, Chile, Colombia, Peru, Russia, Saudi Arabia, UAE, Iran, Iraq, Syria, Yemen, Vietnam, Thailand, Philippines, Indonesia, Malaysia, Sri Lanka, Zambia, Morocco, Algeria etc. with very good reputation.

With rich experience in piping & duct systems, we will provide best solutions and services to you. Welcome to our company visit and discuss business, sincerely hope our professional technology and individual service can win your trust and favor, looking forward to cooperate with friends all over the world, let's do win-win business together!

CONTENTS

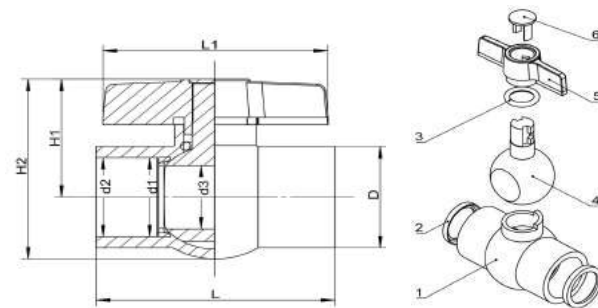
PVC/CPVC Valves	01-13
Metal Valves & Fittings.....	14
PVC/PP Compression Ball Valve	15
Irrigation Valves	16
Irrigation Sprinkers	17
Irrigation Filters	18
PVC PIPE / Fittings For Water Supply PN10	19-26
PVC Rubber Joint Fittings PN10	27-30
DIN Standard UPVC Pressure Pipes & Fittings (PN16)	31-35
UPVC Water Supply Pipes & Fittings (ASTM SCH40).....	36-40
UPVC Pressure Pipes & Fittings (ASTM SCH80).....	41-46
UPVC Threaded Pipes & Fittings (BSP Thread)).....	47-50
CPVC Presssure Pipes & Fittings (ASTM SCH80).....	51-56
CPVC Water Supply Pipes & Fittings (ASTM D2846)	57-64
PVC-U WATER SUPPLY FITTNGS (NBR 5648)	65-67
PP Threaded Pipes & Fittings.....	68-71
PP Clamp Saddle.....	72
Double / Single Pipe Clamps	73-74
PP Compression Fittings	75-84
PPR pipes & Fittings.....	85-86
HDPE pipes & Fittings.....	87-89
Application.....	90



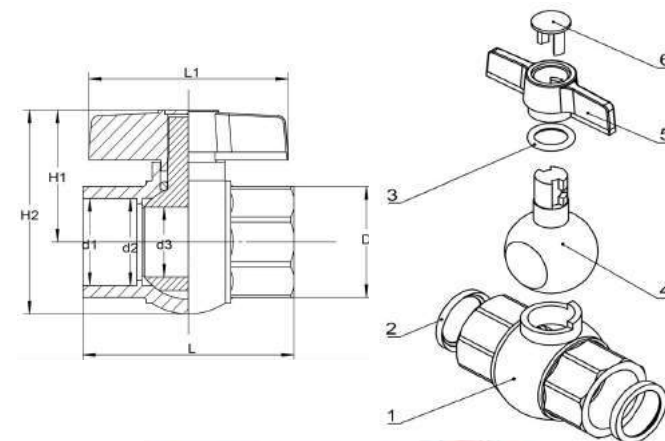


PVC Compact Ball Valve & Octagonal Ball Valve »

SWD001



SWD002



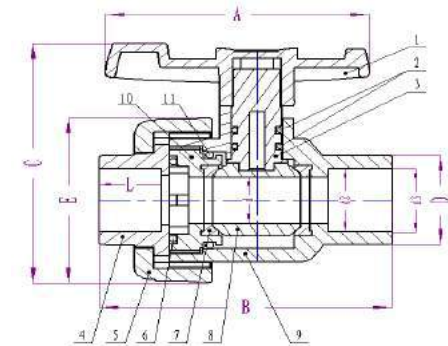
Specification of Material			
NO.	Part	Material	QTY
1	Handle	PP、PVC、ABS	1
2	Seat Seal	TPE、TPV	1
3	O-Ring	EPDM、NBR	1
4	Ball	PP、PVC	1
5	Seat Seal	TPE、TPV	1
6	Cap	PVC	1

Dimensions Unit:mm												
Size	d2						d3	D	L1	L	H1	H2
	Socket End				NPT	BSPT						
	DIN	BS	JIS	ANSI	Thd./in	Thd./in						
DN15 (1/2")	20	21.5	22.11	21.6	14	14	15	30.2	69.6	69.4	45	60.2
DN20 (3/4")	25	26.9	26.13	26.9	14	14	20	36.3	76.2	83.3	51	72.8
DN25 (1")	32	33.7	32.16	33.8	11.5	11	25	43.5	89.7	97.2	57	84.6
DN32 (1 1/4")	40	42.2	38.19	42.4	11.5	11	32	52	102.6	106.6	64	94
DN40 (1 1/2")	50	48.4	48.21	48.5	11.5	11	40	57.9	110	121.4	73	109.7
DN50 (2")	63	60.5	60.25	60.7	11.5	11	50	71.8	131.1	139.1	80	128
DN65 (2 1/2")	75	75.3	76.6	73.4	8	11	65	90	176	176	108	162
DN80 (3")	90	89	89.6	89.4	8	11	80	108	188	242	115	180
DN100 (4")	110	114.5	114.7	114.8	8	11	100	135	208	288	130	210

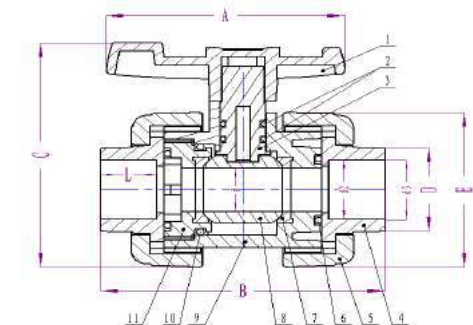


PVC Single & Double Union Ball Valve »

SWD003



SWD004



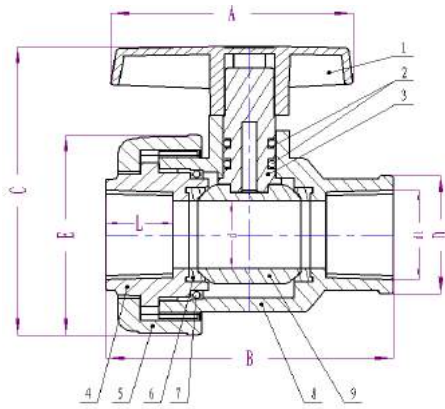
Specification of Material							
NO.	Part	Material	QTY	NO.	Part	Material	QTY
1	Handle	U-PVC	1	7	Seat Seal	TPV	2
2	Stem O-Ring	NBR / EPDM	2	8	Ball	U-PVC	1
3	Stem	U-PVC	1	9	Body	U-PVC	1
4	End Connector	U-PVC	1	10	O-Ring	NBR / EPDM	2
5	Union Nut	U-PVC	1/2	11	Seat Carrier	U-PVC	1
6	Carrier O-Ring	NBR / EPDM	2				

Dimensions Unit:mm																
Size	Socket End								NPT	BSPT	B	d	D	L	C	A
	DIN		ANSI		JIS		BS		Thd./	Thd./						
	d2	d3	d2	d3	d2	d3	d2	d3	in	in						
DN15 (1/2")	19.8	20.3	21.23	21.54	21.70	22.3	21.3	21.5	14	14	75.3	15	28.8	16	77.5	68
DN20 (3/4")	24.8	25.4	26.57	26.87	25.70	26.3	26.7	26.9	14	14	86.5	20	35.2	19	88.5	76
DN25 (1")	31.7	32.3	33.27	33.65	31.67	32.33	33.5	33.7	11.5	11	98.4	25	42.8	22	102	87
DN32 (1 1/4")	39.7	40.4	42.04	42.42	37.57	38.43	42	42.2	11.5	11	114.8	30	51.8	26	116	102
DN40 (1 1/2")	49.7	50.4	48.11	48.56	47.54	48.46	48.2	48.4	11.5	11	137	39	61.8	32	135.5	119
DN50 (2")	62.7	63.4	60.17	60.63	59.44	60.56	60.3	60.5	11.5	11	165	49	75.3	38	164	145
DN65 (2 1/2")	74.6	75.5	72.85	73.38	75.87	76.6	75.1	75.3	8	11	193	60	89.2	41	192	178
DN80 (3")	89.6	90.5	88.7	89.31	88.83	89.6	88.8	89.1	8	11	229.5	76	106.4	51	227	209
DN100 (4")	109.5	110.6	114.07	114.76	113.98	114.7	114.2	114.5	8	11	271	96	130.7	60	217.5	248



PVC MxF & FxF Single Union Ball Valve»

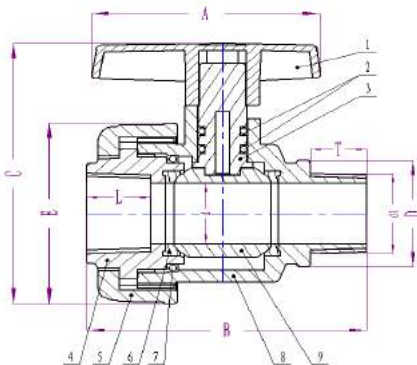
SWD005



Size	d	d1	A	B	C	D	E	L
3/4"	20	26.7	65	76.9	85.7	35	59.4	18
1"	25	33.5	73	86.8	100.5	43	68.7	19
1-1/4"	30	42.2	84.5	103	111	52	78.6	23
1-1/2"	39	48	93	115	133	61	94.6	24
2"	49	59.9	107	136.4	159.5	73	114.6	28
2-1/2"	60	75.5	141	163	191.5	91.8	139	33
3"	76	88.2	151	192	221.5	104	168	38
4"	96	113.4	175.5	226	267	130	205.6	43

S/N	Name	Material
1	Handle	U-PVC
2	O-Ring	NBR/EPDM
3	Stem	U-PVC
4	End Connector	U-PVC
5	Union Nut	U-PVC
6	Seat Seal	TPE/TPV
7	O-RING	NBR/EPDM
8	Body	U-PVC
9	Ball	U-PVC

SWD006



Size	d	d1	A	B	C	D	E	L
3/4"	20	26.4	65	78.4	85.7	35	59.4	18
1"	25	33.2	73	89.5	100.5	41	68.7	19
1-1/4"	30	41.9	84.5	106	111	49.8	78.6	23
1-1/2"	39	47.8	93	123	133	59	94.6	24
2"	49	59.6	107	144	159.5	72	114.6	28
2-1/2"	60	75.2	141	173.5	191.5	89.4	139	33
3"	76	87.9	151	201	221.5	103	168	38
4"	96	113	175.5	237.5	267	128.2	205.6	43

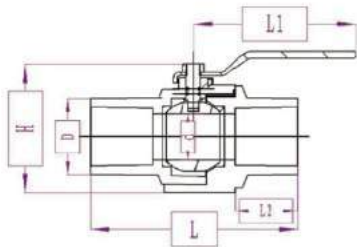
S/N	Name	Material
1	Handle	U-PVC
2	O-Ring	NBR/EPDM
3	Stem	U-PVC
4	End Connector	U-PVC
5	Union Nut	U-PVC
6	Seat Seal	TPE/TPV
7	O-RING	NBR/EPDM
8	Body	U-PVC
9	Ball	U-PVC

PVC Two Pieces Ball Valve »

SWD007



SWD008

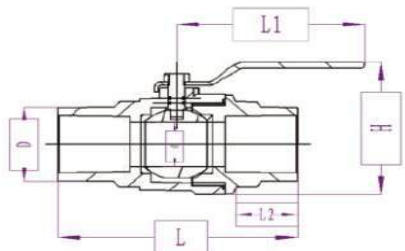


Size	L	L1	L2	D	H	d
1/2"	93.3	83.5	28	29	59.8	14.7
3/4"	99.8	83.5	30	34.7	66.5	19.9
1"	113.6	83.5	33	42.7	75.1	24.8
1-1/4"	130.7	97.5	38	53.8	89.9	31.6
1-1/2"	139.5	117.3	40	61	109.9	37.4
2"	167.2	117.3	48	73.7	119.3	46.6
2-1/2"	197.6	139.1	56	91	148.4	56.8
3"	251.9	190	75	106.3	178.4	67.6
4"	282.5	212.6	76	134.4	196.7	84.7

SWD009



SWD010



Size	L	L1	L2	D	H	d
1/2"	93.4	83.5	31	31.7	60.7	14.9
3/4"	98.6	83.5	31	37	68.3	19.9
1"	114.3	83.5	35	44.8	78.2	24.8
1-1/4"	128.5	97.5	38	57.4	102	31.6
1-1/2"	139.6	117.3	41	63.9	115	37.4
2"	167.2	117.3	48	79	123.8	46.6

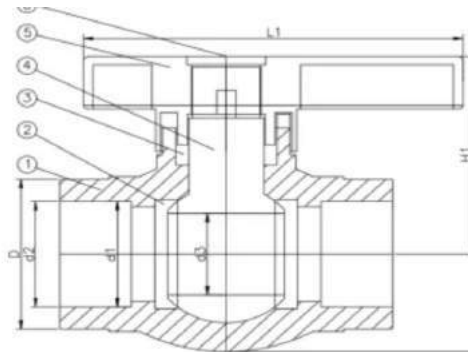
PVC MxF & FxF Single Union Ball Valve

PVC Two Pieces Ball Valve



New Type PVC Ball Valve »

SWD011



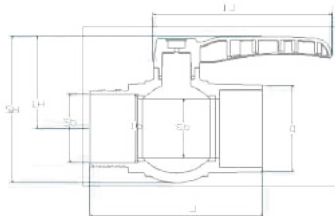
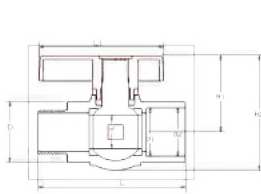
Item No.	Parts	Material	Q'ty
1	Body	U-PVC	1
2	Seat Seal	TPE	2
3	O-Ring	NBR	1
4	Stem	U-PVC	1
5	Handle	ABS/PP	1
6	Cap	ABS/PP	1

Size	d3	D	L	L1	H2
1/2"	15	28.7	73.7	82.5	62.2
3/4"	20	35.0	78.2	89.5	73.9
1"	25	42.7	88.0	102.8	86.6
1-1/4"	32	53.0	104.6	123.0	95.6
1-1/2"	40	61.0	123.6	148.1	113.4
2"	50	74.0	143.3	148.1	131.2

PVC MxF Octagonal Ball Valve »

SWD016

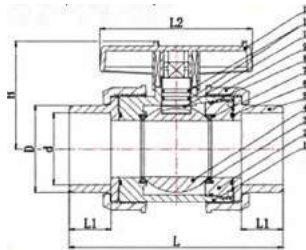
SWD0255



Specification of Material				Data Sheet			
NO.	Part	Material	QTY	Size	L	L1	H2
1	Body	U-PVC	1	3/4"	76.8	60.5	64.5
2	Seat Seal	TPE, TPV	2	1"	105.4	88.9	83.5
3	O-Ring	EPDM, NBR	1	1-1/2"	124.5	115.7	117.2
4	Ball	PP, PVC	1	2"	145.4	137.5	137
5	Handle	PP, ABS, PVC	1	3"	217	215	178.6
6	Cap	PP, ABS, PVC	1	4"	249.7	256.5	211.2

PVC-U TRUE UNION VALVE »

SWD0266



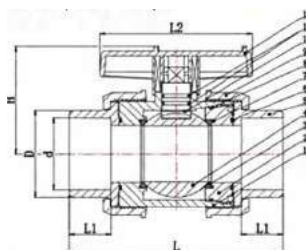
Item No.	Parts	Material	Qty
1	Body	PVC	1
2	Seat Carrier	PVC	1
3	Seat Seal	PTFE	2
4	Ball	PVC	1
5	End Connector	PVC	2
6	O-Ring	NBR	2

Item No.	Parts	Material	Qty
7	O-Ring	NBR	2
8	O-Ring	NBR	1
9	Union Nut	PVC	2
10	Stem	PVC	1
11	Stem O-Ring	NBR	2
12	Handle	ABS	1

Size	GB d	ANSI d	JIS d	DIN d	D	H	L2	L1	L
15(1/2")	20	21.34	22	20	29	53	64	21	110
20(3/4")	25	26.67	26	25	36	59	59	24.5	127
25(1")	32	33.4	32	32	43	68	84	27.5	142
32(1-1/4")	40	42.16	38	40	53	79	96	29.5	161
40(1-1/2")	50	48.26	48	50	62.5	89	116	35	176
50(2")	63	60.32	60	63	80.5	106	133	43	213
65(2-1/2")	75	73.02	76	75	88	113.5	160	44	225
80(3")	90	88.9	89	90	108	148	200	52	265
100(4")	110	114.3	114	110	208	169	240	57	306

CPVC TRUE UNION VALVE »

SWD0267



Item No.	Parts	Material	Qty
1	Body	PVC	1
2	Seat Carrier	PVC	1
3	Seat Seal	PTFE	2
4	Ball	PVC	1
5	End Connector	PVC	2
6	O-Ring	NBR	2

Item No.	Parts	Material	Qty
7	O-Ring	NBR	2
8	O-Ring	NBR	1
9	Union Nut	PVC	2
10	Stem	PVC	1
11	Stem O-Ring	NBR	2
12	Handle	ABS	1

Size	GB d	ANSI d	JIS d	DIN d	D	H	L2	L1	L
15(1/2")	20	21.34	22	20	29	53	64	21	110
20(3/4")	25	26.67	26	25	36	59	59	24.5	127
25(1")	32	33.4	32	32	43	68	84	27.5	142
32(1-1/4")	40	42.16	38	40	53	79	96	29.5	161
40(1-1/2")	50	48.26	48	50	62.5	89	116	35	176
50(2")	63	60.32	60	63	80.5	106	133	43	213
65(2-1/2")	75	73.02	76	75	88	113.5	160	44	225
80(3")	90	88.9	89	90	108	148	200	52	265
100(4")	110	114.3	114	110	208	169	240	57	306

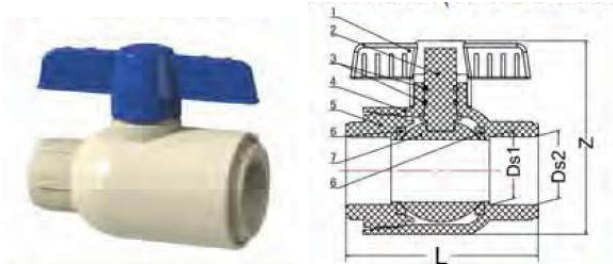
New Type PVC Ball Valve

PVC-U TRUE UNION VALVE



CPVC BALL VALVE »

SWD019

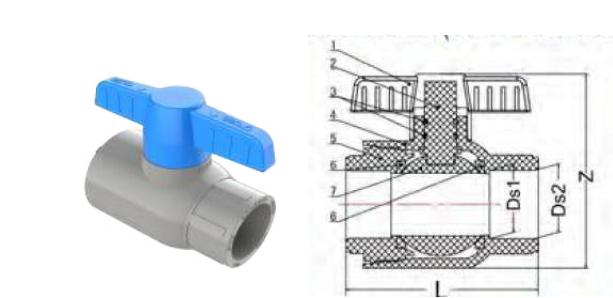


Item No.	Parts	Material	Qty
1	Handle	ABS	1
2	Seat	CPVC	1
3	O-Ring	NBR/EPDM	2
4	Body	CPVC	1
5	Cap	CPVC	2
6	Seat Seal	TPR/TPE	2
7	Ball	CPVC	1

Size	Ds1	Ds2	L	Z
1/2"	15.72	16.08	61.5	50.5
3/4"	22.1	22.45	74.5	77.5
1"	28.47	28.83	93	98.5
1-1/4"	34.85	35.2	109.5	99.5
1-1/2"	41.2	41.66	129	115
2"	53.92	54.38	162	145.5

UPVC/CPVC BALL VALVE »

SWD0265



Item No.	Parts	Material	Qty
1	Handle	ABS	1
2	Seat	CPVC	1
3	O-Ring	NBR/EPDM	2
4	Body	CPVC	1
5	Cap	CPVC	2
6	Seat Seal	TPR/TPE	2
7	Ball	CPVC	1

Size	GB d	ANSI d	JIS d	DIN d	D	H	L2	L1	L
15(1/2")	20	21.34	22	20	29	53	64	21	110
20(3/4")	25	26.67	26	25	36	59	59	24.5	127
25(1")	32	33.4	32	32	43	68	84	27.5	142
32(1-1/4")	40	42.16	38	40	53	79	96	29.5	161
40(1-1/2")	50	48.26	48	50	62.5	89	116	35	176
50(2")	63	60.32	60	63	80.5	106	133	43	213

Other Different Type UPVC/CPVC Ball Valves »

SWD020



Size:1/2"
Standard: NPT/BSPT

SWD021



Size:1/2"
Standard: NPT/BSPT

SWD013



Size:1/2"-4"
Standard: CNS/JIS/DIN/BS/
ANSI/NPT/BSPT

SWD014



Size:1/2"-4"
Standard: CNS/JIS/DIN/BS/
ANSI/NPT/BSPT

SWD015



Size:1/2"-2"
Standard: CNS/JIS
/DIN/BS/ANSI
NPT/BSPT

SWD016



Size:1/2"-4"
Standard: CNS/JIS/DIN
/BS/ANSI/NPT/BSPT

SWD0261



Size:1/2"-2"
Standard: CNS/JIS/DIN
/BS/ANSI/NPT/BSPT

SWD0262



Size:1/2"-2"
Standard: CNS/JIS/DIN
/BS/ANSI/NPT/BSPT

SWD0212



Size:1/2"-3/4"
Standard: NPT/BSPT

SWD017



Size:1"-4"
Standard: NPT/BSPT

SWD0263



Size:1/2"-4"
Standard: CNS/JIS/DIN
/BS/ANSI/NPT/BSPT

SWD019-1



Size:1/2"-2"
Standard: ANSI

SWD018



Size:1/2"-2"
Standard: DIN/BS
/ANSI/NPT/BSPT

SWD019



Size:140mm-200mm
Standard: DIN/BS/
ANSI/NPT/BSPT

SWD0265



Size:1/2"-2"
Standard: DIN/BS
/ANSI/NPT/BSPT

SWD0266



Size:1/2"-4"
Standard: DIN/BS
/ANSI/NPT/BSPT



Other UPVC Valves & Strainers

SWD0034



Size:1/2"-4"

SWD0035



Size:1/2"-4"

SWD0032



Size:3/4"-6"

SWD0040



Size:3"- 12"

SWD0037



Size:1/2"-4"

SWD0036



Size:1/2"-4"

SWD0033



Size:5"/8"

SWD0101



Size: 1/2"-4"

SWD0042



Size:1-1/2"-2"

SWD0043



Size:2"-4"

SWD0038



Size:1/2"-4"

SWD0039



Size:1/2"-4"

SWD0075



Size:1/2"-2"

SWD0025



Size:2"-8"

SWD0026



Size:2"-8"

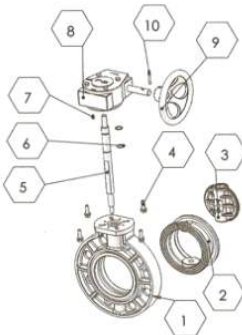
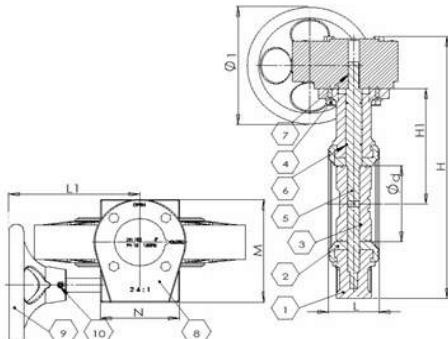
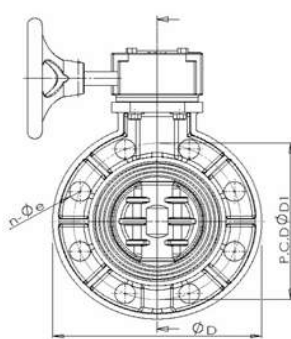
SWD0028



Size:2"-8"

PVC Butterfly Valve (Gear Handle) »

SWD0027



Specification of Material

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC/CPVC/PPH	1	6	O-Ring	EPDM/FPM	1
2	Seat Seal	EPDM/FPM	1	7	Key	Steel	1
3	Disc	PVC/CPVC/PPH	1	8	Gear-box	Iron	2
4	Bolt	SS304	2	9	Handle Wheel	Iron	2
5	Stem	Steel/SS304/SS316	1	10	Pin	Steel	1

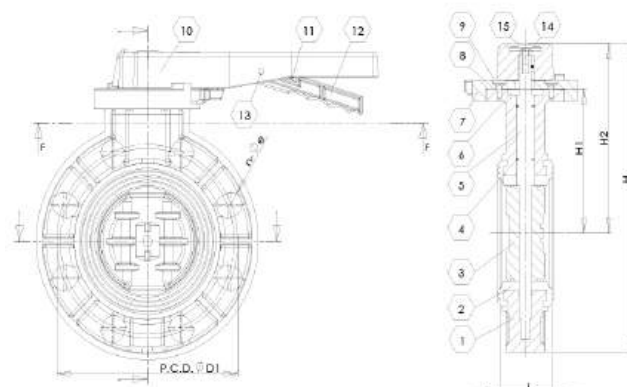
Dimensions Unit:mm

SIZE	Inch	4"	5"	6"	8"	10"	12"	14"	16"	20"
	DN	100	125	150	200	250	300	350	400	500
	ØD	228	258	287	344	412	460	500	565	670
P.C.D. ØD1	DIN	180	210	240	295	350	400	460	515	620
	ANSI	191	216	241	298	362	432	476	540	
	JIS	175	210	240	290	355	400	445	510	
	Ød	98	122	146	199	255	302	345	395	490
	L	54	64	70	88	98	108	88	98	135
	Ø1	145	280	280	280	280	280	380	380	280
	L1	120	200	200	200	220	220	280	280	
	H1	140	168	181	215	260	280	410	490	520
	H	340	385	417	487	551	595	670	770	865
	M	120	180	180	180	180	180	250	250	
	N	90	100	100	100	130	130	220	220	
n-Øe	DIN	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	16-Ø25	16-Ø27	20-Ø32
	ANSI	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	12-Ø29	16-Ø29	
	JIS	8-Ø19	8-Ø19	8-Ø23	12-Ø23	12-Ø25	16-Ø25	16-Ø25	16-Ø27	
PN	PSI	150	150	150	150	100	100	60	60	60
	MPa	1	1	1	1	0.6	0.6	0.4	0.4	0.4



PVC Butterfly Valve (Lever Handle) »

SWD0024



Specification of material

No.	Parts	Material	No.	Parts	Material
1	Body	UPVC	9	Bolt Cover	ABS/PVC
2	Seat	EPDM	10	Handle	ABS/PVC
3	Disc	U-PVC/CPVC	11	Spring	SS304
4	O-Ring	EPDM	12	Lever	ABS/PVC
5	Stem	Steel /304/316	13	Pin	Steel
6	Locking Block	PVC	14	Bolt	Steel
7	Indicator Pleat	ABS/PVC	15	Mark Cap	ABS/PVC
8	Bolt	Steel			

Size:2"-8"

Standard:DIN/ANSI/JIS

Flange Connect

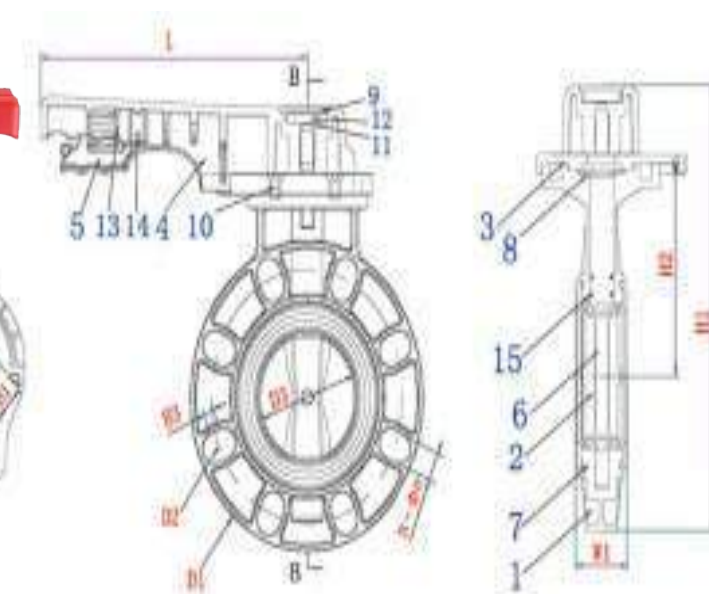
Working Pressure:2"-6" 150PSI

8" 100PSI

Size	Inch	2"	2-1/2"	3"	4"	5"	6"	8"
	DN	50	65	80	100	125	150	200
P.C.D φ D1	φ D	160	180	196	228	258	287	344
	DIN	125	145	160	180	210	240	295
	ANSI	121	140	152	191	216	241	298
	JIS	120	140	150	175	210	240	290
	φ d	48	63	78	98	122	146	199
	L	43	46	49	54	64	70	88
	φ 1	124	124	124	124	170	170	170
	L1	190	190	240	240	310	310	310
	W	55	55	55	55	72	72	72
	H1	100	112	120	160	168	181	215
	H2	143	155	172	194	223	239	280
	H	223	245	270	308	352	382	452
n- φ e	DIN	4- φ 19	4- φ 19	8- φ 19	8- φ 19	8- φ 19	8- φ 23	8- φ 23
	ANSI	4- φ 19	4- φ 19	4- φ 19	8- φ 19	8- φ 19	8- φ 23	8- φ 23
	JIS	4- φ 19	4- φ 19	8- φ 19	8- φ 19	8- φ 19	8- φ 23	8- φ 23

PVC Butterfly Valve With Flange »

SWD0030



Specification of material

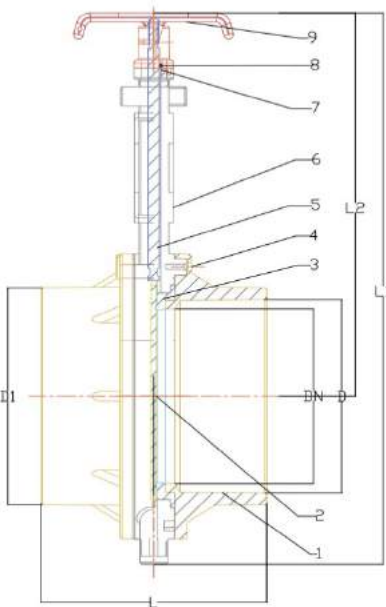
No.	Parts	Material	QTY	No.	Parts	Material	QTY
1	Body	U-PVC	1	2	Disc	U-PVC	1
3	Dial	U-PVC	2	4	Handle	U-PVC	1
5	Lever	U-PVC	1	6	Stem	SS304/Ganalized	1
7	Seat Seal	TPV	1	8	Locking Plate	U-PVC	1
9	Cap	U-PVC	1	10	Self Tapping Screw	SS304	1
11	Washer	SS304	1	12	Bolt	SS304	1
13	Spring	SS304	1	14	Pin	SS304	1
15	O-Ring	EPDM	2				

Size	D1	D2	D3	D4	D5	B1	B2	B3	L	W1	H1	H2	N- φ
63(2")	162	128.6	53.38	108.2	87.9	15.4	59	6	224	37.2	241	110	4-20.5
75(2-1/2")	180	145	65	108.2	107.2	15.4	59	8.6	224	43	248	123	4-20.5
90(3")	190	160.7	80	108.2	120	15.4	59	8.5	224	44	281.6	133	8-19
110(4")	222	188.7	105	108.2	143	15.4	59	5.19	224	49	309	148	8-21.5
125(5")	258	210	125	108.2	168.6	15.4	59	9.5	224	64	370	167	8-25
160(6")	287	246.7	153.6	108.2	196.75	15.4	59	3.05	332.6	68.1	379.2	184.5	8-25
200(8")	341	295.7	200	108.2	244.93	15.4	59	3.73	323.6	88	433.7	212	8-25



PVC Slide Gate Valves »

SWD0031



Specification of material					
No.	Parts	Material	No.	Parts	Material
1	End Connector	UPVC	2	Valve Disc	ABS/1Cr13
3	Seat Seal	TPV	4	Bolt	A2
5	Stem	1Cr13	6	Body	UPVC
7	Lining	ABS	8	O-Ring	NBR/EPDM
9	Handle	ABS			

		Dimensions			Unit:mm		Material Remark
SIZE	DN	L	L1	L2	D	D1	
mm(inch)							
32mm (1")	28	69	148	105	32	42.5	"Handle-ABS Disc-ABS"
40mm (1-1/4")	32	73	148	105	40	50.5	
50mm (1-1/2")	40	88	176	127	50	58	
63mm (2")	50	106	202	145	63	72.5	
75mm (2-1/2")	65	121	300	214	75	90	
90mm (3")	80	126	300	214	90	108	"Handle-ABS Disc-SS/1Cr13"
110mm (4")	100	128	330	230	110	128	
160mm (6")	150	184	470	328	160	180	

Metal Valves & Fittings »

SWD0271



Size:1/2"-24"

SWD0272



Size:1/2"-24"

SWD0273



Size:2"-12"

SWD0274



Size:2"-12"

SWD0275



Size: 2" - 12"

SWD0276



Size:2"-24"

SWD0277



Size: 2" - 12"

SWD0278



Size:1-1/2"- 24"

SWD0279



Size:1-1/2"- 12"

SWD0280



Size:2"- 12"

SWD0281



Size:1/2"-4"

SWD0282



Size:1-1/2"- 24"

SWD0283



Size:1-1/2"- 16"

SWD0284



Size:2"- 12"

SWD0285



Size:1-1/2"- 32"

SWD0286



Size:1-1/4"- 120"



PVC/PP Compression Ball Valve »

SWD0021



Size:20mm-110mm

SWD0022



Size:20mm-110mm

SWD1023



Size:20mm-110mm

SWD1024



Size:20mm-110mm

SWD0023



Size:20mm-32mm

SWD1025



Size:20mm-32mm

SWD1026



Size:20mm-32mm

SWD1027



Size:20mm-32mm

PA Air Release Valve »

SWD0047



Size:3/4"-1"

SWD0048



Size:3/4"-1"

SWD0049



Size:1"-2"

SWD0050



Size:3/4"-2"

Manometer

SWD0120



Size: 63mmx1/4"

Flowmeter

SWD0100



Size: 1/2"-3"

Brass pressure relief valve

SWD1101



Size: 1/2"-2"

Irrigation Valves

SWD0051



Size: 16x1/2" / 16x3/4"
20x1/2" / 20x3/4"
25x1/2" / 25x3/4"

SWD0052



Size: 25x3/4" / 32x3/4"

SWD0053



Size:25x25 / 32x32

SWD0054



Size:16x17

SWD0055



Size: 14x16 /16x20

SWD0056



Size: 17x1/2" / 17x3/4"

SWD0057



Size: 16x16 / 20x20

SWD0058



Size: 16x16 / 20x20

SWD0059



Size: 16x16 / 20x20

SWD0060



Size: 16x16 / 20x20

SWD0061



Size:16x17

SWD0062



Size:14x17

SWD0063



Size:17x17

SWD0064



Size: 16x17 / 20x17

SWD0065



Size:17x17



Irrigation Sprinklers

SWD0066



Size:1-1/2"F

SWD0067



Size:3/4"F / 1"F

SWD0068



Size:3/4"M

SWD0069



Size:1/2"M

SWD0109



Size:1-1/2"F

SWD0110



Size:3/4"F / 1"F

SWD0111



Size:3/4"M

SWD0112



Size:1/2"M

SWD0113



Size:1/2"M

SWD0114



Size:1/2"M

SWD0115



Size:1-1/2"/2"F

SWD0116



Size:1-1/2"/2"F



Irrigation Filters

SWD0070



Size:3/4"-2 1/2"

SWD0074



Size:3/4"-2 1/2"

SWD0073



Size:3"-4"

SWD0071



Size:3/4"-1"

SWD0117



Size:3/4"-2 1/2"

SWD0211



Size:3"-4"

SWD0072



Size:1 1/4"-2"

SWD0118



Size:3"-4"

SWD0119



Size:3"-4"





UPVC PIPE For Water Supply (DIN) »

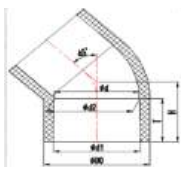
Confirm to: GB/T 10002.2-2003 BS EN ISO 1452



"Nominal outside diameter DIN (mm)"	DN Size	S series SDR series and nominal pressure						
		S16	S12.5	S10	S8	S6.3	S5	S4
		SDR33	SDR26	SDR21	SDR17	SDR13.6	SDR11	SDR9
		PN6.3	PN8	PN10	PN12.5	PN16	PN20	PN25
		Nominal wall thickness δn (mm)						
20	15	-	-	-	-	-	2.0	2.3
25	20	-	-	-	-	2.0	2.3	2.8
32	25	-	-	-	2.0	2.4	2.9	3.6
40	32	-	-	2.0	2.4	3.0	3.7	4.5
50	40	-	2.0	2.4	3.0	3.7	4.6	5.6
63	50	2.0	2.5	3.0	3.8	4.7	5.8	7.1
75	65	2.3	2.9	3.6	4.5	5.6	6.9	8.4
90	80	2.8	3.5	4.3	5.4	6.7	8.2	10.1
110	100	2.7	3.4	4.2	5.3	6.6	8.1	10
125		3.1	3.9	4.8	6	7.4	9.2	11.4
140	125	3.5	4.3	5.4	6.7	8.3	10.3	12.7
160	150	4	4.9	6.2	7.7	9.5	11.8	14.6
180		4.4	5.5	6.9	8.6	10.7	13.3	16.4
200		4.9	6.2	7.7	9.6	11.9	14.7	18.2
225	200	5.5	6.9	8.6	10.8	13.4	16.6	-
250		6.2	7.7	9.6	11.9	14.8	18.4	-
280	250	6.9	8.6	10.7	13.4	16.6	20.6	-
315	300	7.7	9.7	12.1	15	18.7	23.2	-
355	350	8.7	10.9	13.6	16.9	21.1	26.1	-
400	400	9.8	12.3	15.3	19.1	23.7	29.4	-
450		11	13.8	17.2	21.5	26.7	33.1	-
500		12.3	15.3	19.1	23.9	29.7	36.8	-
560		13.7	17.2	21.4	26.7	-	-	-
630		15.4	19.3	24.1	30.0	-	-	-
710		17.4	21.8	27.2	-	-	-	-
800		19.6	24.5	30.6	-	-	-	-
900		22	27.6	-	-	-	-	-
1000		24.5	30.6	-	-	-	-	-

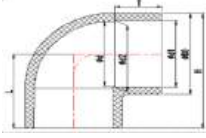
PVC Fittings For Water Supply PN10 »

PVC 45° Elbow



Size (De)	D0	d1	d2	d	T	H
20	24.60	20.24	19.96	19	17	22.14
25	29.84	25.24	24.95	24	19.5	25.67
32	37.16	32.25	31.95	31	23	30.62
40	46.48	40.28	39.95	39	27	36.28
50	57.00	50.33	49.94	49	32	43.35
63	70.38	63.34	62.93	62	38.5	52.54
75	83.05	75.35	74.93	73.5	44.5	61.72
90	99.28	90.38	89.93	88.5	52	72.33
110	120.4	110.42	109.92	108	62	87.5
125	135	125.52	124.93	123	69.5	98
140	153.1	140.58	139.88	138	77	108.6
160	174.52	160.62	159.87	158	87	122.7
180	202.6	180.81	179.91	178.5	97	137.87
200	217.4	200.90	199.85	197	107	108.4
225	243.58	226.02	224.83	221	119.5	168.7
250	270.9	251.15	249.41	247	132	120.75
280	314.8	281.46	280.16	278	147	209.6
315	344.5	316.55	315.05	312	165	233.5
355	386.2	356.63	355.03	326	183.5	272.8
400	433.8	401.60	400.00	398.5	208	298.5

PVC 90° Elbow



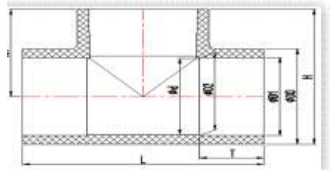
Size (De)	D0	d1	d2	d	T	L	H
20	24.48	20.24	19.96	19	17	28.50	40.74
25	30.18	25.24	24.95	24	19.5	33.50	48.59
32	37.14	32.25	31.95	31	23	40.50	59.07
40	46.56	40.28	39.95	39	27	48.50	71.78
50	57.10	50.33	49.94	49	32	58.50	87.05
63	71.18	63.34	62.93	62	38.5	71.50	107.09
75	84.34	75.35	74.93	73.5	44.5	83.25	125.42
90	99.10	90.38	89.93	88.5	52	98.25	147.80
110	120.4	110.42	109.92	108	62	118.00	178.20
125	135.5	125.52	124.93	123	69.5	118.50	186.25
140	153.1	140.58	139.88	138	77	149.00	225.55
160	175.0	160.62	159.87	158	87	169.00	256.50
180	202.5	180.81	179.91	178.5	97	190.00	291.25
200	219.3	200.90	199.85	197	107	211.00	320.65
225	243.3	226.02	224.83	221	119.5	235.50	357.15
250	271.4	251.15	249.41	247	132	261.00	396.70
280	314.8	281.46	280.16	278	147	276.00	433.40
315	344.5	316.55	315.05	312	165	326.50	498.75
355	385	356.63	355.03	326	183.5	368.25	560.75
400	432.7	401.60	400.00	398.5	208	413.00	629.35

PVC Coupling



Size (De)	D0	d1	d2	d	T	L
20	24.80	20.24	19.96	19.00	17.00	36.00
25	29.90	25.24	24.95	24.00	19.50	41.30
32	37.40	32.25	31.95	31.00	23.00	48.10
40	47.00	40.28	39.95	39.00	27.00	56.60
50	56.50	50.33	49.94	49.00	32.00	67.00
63	70.50	63.34	62.93	62.00	38.50	81.00
75	83.30	75.35	74.93	73.50	44.50	93.00
90	100.00	90.38	89.93	88.50	52.00	107.60
110	119.84	110.42	109.92	108.00	62.00	128.30
125	136.30	125.52	124.93	123.00	69.50	147.20
140	153.50	140.58	139.88	138.00	77.00	163.60
160	174.70	160.62	159.87	158.00	87.00	183.30
180	202.50	180.81	179.91	178.50	97.00	203.50
200	218.90	200.90	199.85	197.00	107.00	217.00
225	245.80	226.02	224.83	221.00	119.50	245.00
250	269.80	251.15	249.41	247.00	132.00	279.00
280	314.80	281.46	280.16	278.00	147.00	299.50
315	343.70	316.55	315.05	312.00	165.00	343.00
355	384.60	356.63	355.03	326.00	183.50	373.00
400	430.70	401.60	400.00	398.50	208.00	423.00

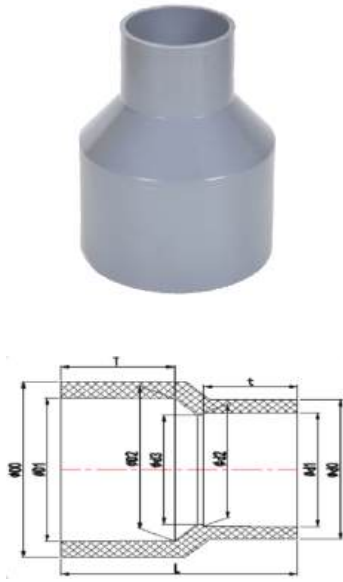
PVC Equal Tee



Size (De)	D0	D1	D2	d	T	H1	H	L
20	24.8	20.24	19.96	19	17	28.5	40.90	57
25	30.1	25.24	24.95	24	19.5	33.5	48.55	67
32	37.5	32.25	31.95	31	23	40.5	59.25	81
40	46.48	40.28	39.95	39	27	48.5	71.74	95.6
50	57.3	50.33	49.94	49	32	58.5	87.15	117.5
63	70.5	63.34	62.93	62	38.5	71.5	106.75	142.7
75	84	75.35	74.93	73.5	44.5	83.25	125.25	166.5
90	100.6	90.38	89.93	88.5	52	98.25	148.55	203
110	120.8	110.42	109.92	108	62	118	178.40	237
125	136.8	125.52	124.93	123	69.5	118.5	186.90	267
140	153.5	140.58	139.88	138	77	149	225.75	298
160	175	160.62	159.87	158	87	169	256.50	338.5
180	202.6	180.81	179.91	178.5	97	190	291.30	379
200	219	200.90	199.85	197	107	211	320.50	420
225	246	226.02	224.83	221	119.5	235.5	358.50	474
250	272	251.15	249.41	247	132	261	397.00	522
280	314.8	281.46	280.16	278	147	276	433.40	552
315	344.5	316.55	315.05	312	165	326.5	498.75	653
355	385.8	356.63	355.03	326	183.5	368.25	561.15	736.5
400	433.7	401.6	400.00	398.5	208	413.00	629.85	826



PVC Reducing Coupling



Size (De)	D0	D1	D2	d0	d1	d2	d3	t	T	L
25*20	30.05	25.24	24.95	24.85	20.24	19.96	19.00	17	19.5	41.8
32*20	37.40	32.25	31.95	24.85	20.24	19.96	19.00	17	23	48.5
32*25	37.40	32.25	31.95	30.00	25.24	24.95	24.00	19.5	23	48.5
40*20	46.70	40.28	39.95	26.10	20.24	19.96	19.00	17	27	55.1
40*25	46.70	40.28	39.95	31.30	25.24	24.95	24.00	19.5	27	55.5
40*32	46.80	40.28	39.95	38.70	32.25	31.95	31.00	23	27	55.2
50*20	56.60	50.33	49.94	24.85	20.24	19.96	19.00	17	32	66.5
50*25	56.80	50.33	49.94	30.00	32.25	31.95	24.00	23	32	66.5
50*32	56.60	50.33	49.94	37.50	40.28	39.95	31.00	27	32	66.5
50*40	57.20	50.33	49.94	47.10	40.28	39.95	39.00	27	32	66.2
63*25	71.70	63.34	62.93	31.20	25.24	24.95	24.00	19.5	38.5	79.5
63*32	72.10	63.34	62.93	38.30	32.25	31.95	31.00	23	38.5	79.5
63*40	71.50	63.34	62.93	47.00	40.28	39.95	39.00	27	38.5	78.8
63*50	83.30	63.34	62.93	57.40	50.33	49.94	49.00	32	38.5	80
75*32	83.30	75.35	74.93	38.00	32.25	31.95	31.00	23	44.5	92.5
75*40	83.30	75.35	74.93	46.20	40.28	39.95	39.00	27	44.5	92.5
75*50	83.30	75.35	74.93	56.50	50.33	49.94	49.00	32	44.5	92.3
75*63	83.30	75.35	74.93	70.30	63.34	62.93	62.00	38.5	44.5	91.8
90*40	99.20	90.38	89.93	46.00	40.28	39.95	39.00	27	52	106.5
90*50	99.20	90.38	89.93	56.30	50.33	49.94	49.00	32	52	107.5
90*63	99.20	90.38	89.93	71.00	63.34	62.93	62.00	38.5	52	109
90*75	99.20	90.38	89.93	84.00	75.35	74.93	73.50	44.5	52	107.5
110*50	120.80	110.42	109.92	56.70	50.33	49.94	49.00	32	62	125.75
110*63	120.80	110.42	109.92	70.55	63.34	62.93	62.00	38.5	62	125
110*75	120.80	110.42	109.92	84.20	75.35	74.93	73.50	44.5	62	128.6
110*90	120.80	110.42	109.92	100.30	90.38	89.93	88.50	52	62	125.78
125*63	135.20	125.52	124.93	69.50	63.34	62.93	62.00	38.5	69.5	142.5
125*75	135.20	125.52	124.93	82.70	75.35	74.93	73.50	44.5	69.5	142.5
125*90	137.30	125.52	124.93	99.50	90.38	89.93	88.50	52	69.5	142.5
125*110	137.00	125.52	124.93	121.60	110.42	109.92	108.00	62	69.5	142.5
140*90	151.50	140.58	139.88	99.30	90.38	89.93	88.50	52	77	151.5
140*110	152.60	140.58	139.88	119.60	110.42	109.92	108.00	62	77	157
160*90	175.30	160.62	159.87	99.50	90.38	89.93	88.50	52	87	175.3
160*110	175.10	160.62	159.87	121.60	110.42	109.92	108.00	62	87	178
160*125	175.60	160.62	159.87	137.20	125.52	124.93	123.00	69.5	87	119
160*140	175.10	160.62	159.87	152.80	140.58	139.88	138.00	77	87	178
180*160	202.80	180.81	179.91	180.00	160.62	159.87	158.00	87	97	202.5
200*110	217.90	200.90	199.85	122.60	110.42	109.92	108.00	62	107	218.5
200*125	217.40	200.90	199.85	136.70	125.52	124.93	123.00	69.5	107	219
200*140	218.50	200.90	199.85	153.10	140.58	139.88	138.00	77	107	221
200*160	218.50	200.90	199.85	175.00	160.62	159.87	158.00	87	107	221
225*110	245.80	226.02	224.83	121.80	110.42	109.92	108.00	62	119.5	245
225*125	245.50	226.02	224.83	136.60	125.52	124.93	123.00	69.5	119.5	245
225*160	245.80	226.02	224.83	174.86	160.62	159.87	158.00	87	119.5	245
225*200	245.80	226.02	224.83	218.50	200.90	199.85	197.00	107	119.5	245
250*110	272.20	251.15	249.41	121.80	110.42	109.92	108.00	62	132	265
250*160	269.30	251.15	249.41	174.90	160.62	159.87	158.00	87	132	272
250*200	270.00	251.15	249.41	217.20	200.90	199.85	197.00	107	132	272
280*250	315.50	281.46	280.16	280.40	251.15	249.41	247.00	132	147	304
315*110	343.30	316.55	315.05	125.75	110.42	109.92	108.00	62	165	380.6
315*125	343.50	316.55	315.05	142.40	125.52	124.93	123.00	69.5	165	377.8
315*160	343.00	316.55	315.05	178.60	160.62	159.87	158.00	87	165	371
315*200	343.00	316.55	315.05	220.90	200.90	199.85	197.00	107	165	358
315*225	342.80	316.55	315.05	246.70	226.02	224.83	221.00	119	165	354.5
315*250	342.80	316.55	315.05	273.70	251.15	249.41	247.00	132	165	351
355*200	386.10	356.63	355.03	220.90	200.90	199.85	197.00	107	183.5	400
355*250	386.10	356.63	355.03	273.70	251.15	249.41	247.00	132	183.5	392.6
355*315	386.10	356.63	355.03	344.00	316.55	315.05	312.00	165	183.5	384
400*200	432.70	401.60	400.00	220.90	200.90	199.85	197.00	107	208	453.5
400*250	431.30	401.60	400.00	273.70	251.15	249.41	247.00	132	208	447
400*315	432.70	401.60	400.00	344.30	316.55	315.05	312.00	165	208	438.5
400*355	432.30	401.60	400.00	386.40	356.63	355.03	326.00	183.5	208	430.8

PVC Reducing Tee



Size (De)	D0	D1	D2	D3	d0	d1	d2	d3	t	T	H1	H	L
25*20	30.02	25.24	24.95	24	24.18	20.24	19.96	19	17	19.5	31	46.01	62.10
32*20	37.44	32.25	31.95	31	24.74	20.24	19.96	19	17	23	34.5	53.22	69.20
32*25	37.44	32.25	31.95	31	30.10	25.24	24.95	24	19.5	23	37	55.72	73.80
40*20	46.3	40.28	39.95	39	25.40	20.24	19.96	19	17	27	38.5	61.65	77.30
40*25	46.3	40.28	39.95	39	30.05	25.24	24.95	24	19.5	27	41	64.15	80.40
40*32	46.3	40.28	39.95	39	37.44	32.25	31.95	29	23	27	44.5	67.65	89.00
50*20	57.2	50.33	49.94	49	25.00	20.24	19.96	19	17	32	43	72.10	86.00
50*25	57.72	50.33	49.94	49	30.05	25.24	24.95	24	19.5	32	46	74.86	92.00
50*32	57.8	50.33	49.94	49	37.50	32.25	31.95	31	23	32	49	78.40	98.70
50*40	57.1	50.33	49.94	49	47.02	40.28	39.95	39	27	32	53	82.05	108.40
63*20	70	63.34	62.93	62	24.90	20.24	19.96	19	17	38.5	50	85.00	100.00
63*25	70.1	63.34	62.93	62	30.20	25.24	24.95	24	19.5	38.5	52	87.55	105.00
63*32	70.8	63.34	62.93	62	37.50	32.25	31.95	31	23	38.5	56	91.40	112.00
63*40	70.3	63.34	62.93	62	45.80	40.28	39.95	39	27	38.5	60	95.15	119.85
63*50	70.8	63.34	62.93	62	56.50	50.33	49.94	49	32	38.5	65	100.40	130.60
75*32	84.3	75.35	74.93	73.5	38.20	32.25	31.95	31	23	44.5	61.75	103.90	125.75
75*40	84.1	75.35	74.93	73.5	46.60	40.28	39.95	39	27	44.5	65.75	107.80	135.70
75*50	84	75.35	74.93	73.5	57.00	50.33	49.94	49	32	44.5	70.75	112.75	153.50
75*63	83.8	75.35	74.93	73.5	70.70	63.34	62.93	62	38.5	44.5	77.25	119.15	156.60
90*50	100.7	90.38	89.93	88.5	56.70	50.33	49.94	49	32	52	78.25	128.60	158.00
90*63	100.7	90.38	89.93	88.5	69.70	63.34	62.93	62	38.5	52	84.75	135.10	170.30
90*75	100.7	90.38	89.93	88.5	84.10	75.35	74.93	73.5	44.5	52	90.75	141.10	183.00
110*50	123	110.42	109.92	108	56.30	50.33	49.94	49	32	62	88	149.50	177.00
110*63	122.7	110.42	109.92	108	74.00	63.34	62.93	62	38.5	62	94.5	155.85	190.10
110*75	121.32	110.42	109.92	108	84.30	75.35	74.95	73.5	44.5	62	101.5	162.16	201.50
110*90	121.5	110.42	109.92	108	100.60	90.38	89.93	88.5	52	62	109	169.75	220.40
125*75	136.5	125.52	124.93	123	84.30	75.35	74.95	73.5	44.5	69.5	109	177.25	219.50
125*90	137.8	125.52	124.93	123	99.20	90.38	89.93	88.5	52	69.5	116.5	185.40	232.30
125*110	136	125.52	124.93	123	120.60	110.42	109.92	108	62	69.5	125.75	193.75	250.70
140*110	151.5	140.58	139.88	138	108.70	110.42	109.92	108	62	77	134	209.75	268.00
160*90	175.3	160.62	159.87	158	101.60	90.38	89.93	88.5	52	87	134	221.65	268.00
160*110	175.4	160.62	159.87	158	122.30	110.42	109.92	108	62	87	144	231.70	288.00
160*125	175.3	160.62	159.87	158	137.00	125.30	124.93	123	69.5	87	151.5	239.15	300.00
160*140	175.1	160.62	159.87	158	153.00	140.30	139.88	138	77	87	159	246.55	318.50
180*160	202.6	180.81	179.91	178.5	180.00	160.35	159.87	158	87	97	180	281.30	379.00
200*75	220.9	180.81	199.85	197	82.75	75.35	74.93	73.5	44.5	107	148.5	258.95	291.50
200*90	220.9	200.90	199.85	197	99.20	90.38	89.93	88.5	52	107	156	266.45	307.00
200*110	219.2	200.90	199.85	197	122.80	110.42	109.92	108	62	107	166	275.60	328.00
200*160	219.8	200.90	199.85	197	175.40	160.62	159.87	158	87	107	191	300.90	377.00
225*160	246	226.02	224.83	221	175.00	160.62	159.87	158	87	119.5	203	326.00	407.00
250*110	272	251.15	249.41	247	120.50	110.42	109.92	108	62	132	191	327.00	377.00
250*160	270	251.15	249.41	247	173	160.62	159.87	158	87	132	216	351.00	427.00
250*200	274.1	251.15	249.41	247	220	200.90	199.85	197	107	132	236	373.05	474.00
280*250	314.8	281.46	280.16	278	280	251.15	199.85	247	132	147	276	433.40	580.00
315*110	344.5	316.55	315.05	312	125.75	110.42	109.92	108	62	165	223.5	395.75	448.00
315*160	344.5	316.55	315.05	312	178.6	160.62	159.87	158	87	165	248.5	420.75	498.00
315*200	344.5	316.55	315.05	312	220.9	200.90	199.85	197	107	165	268.5	440.75	538.00
315*250	344.5	316.55	315.05	312	273.4	251.15	225.83	247	132	165	293.5	465.75	588.00
355*200	386.5	356.63	355.03	326	219.9	200.90	199.85	197	107	183.5	285.5	478.75	590.50
355*225	386.5	356.80	355.00	326	259.4	226.20	224.90	216.9	184	118.7	298.5	491.60	615.00
355*250	386.5	356.63	355.03	326	273.4	251.15	249.41	247	132	183.5	311.5	504.75	638.50
355*315	386.5	356.63	355.03	326	344.5	316.55	315.05	312	165	183.5	350.6	543.85	694.50
400*200	432.7	401.60	400.00	398.5	220.9	200.90	199.85	197	107	208	318.6	534.95	623.00
400*250	432.4	401.60	400.00	398.5	273.5	251.15	249.41	247	132	208	342.8	559.00	672.00
400*315	432.7	401.60	400.00	398.5	344.5	316.55	315.05	312	165	208	370	586.35	752.00

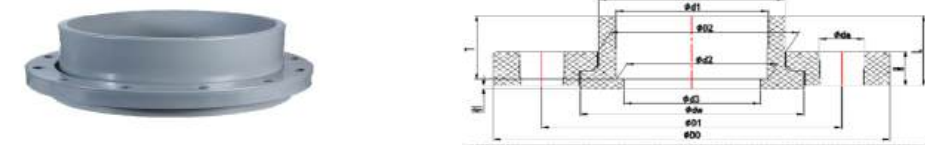


PVC One Piece Flange



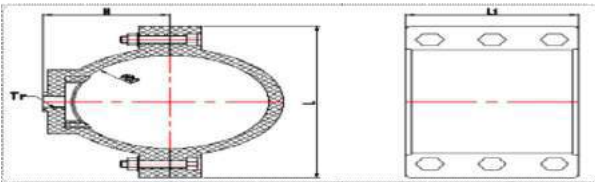
Size(De)	D0	D1	d0	d1	d2	d3	da	T	H	L	n
20	94.00	65.00	28.30	20.24	19.96	19.00	14.00	17.00	14.50	24.50	4
25	104.00	75.00	33.20	25.24	24.95	24.00	14.00	19.50	14.50	24.80	4
32	114.10	85.00	41.60	32.25	31.95	31.00	14.00	23.00	13.50	23.30	4
40	133.50	100.00	49.60	40.28	39.95	39.00	18.00	27.00	17.20	36.00	4
50	148.00	110.00	57.40	50.33	49.94	49.00	18.00	32.00	15.70	46.50	4
63	164.00	125.00	71.40	63.34	62.93	62.00	18.00	38.50	17.00	48.50	4
75	183.40	145.00	86.80	75.35	74.93	73.00	18.00	44.50	19.30	61.50	4
90	198.50	160.00	101.30	90.38	89.93	88.50	18.00	52.00	19.50	70.00	8
110	218.20	180.00	123.20	110.42	109.92	108.00	18.00	62.00	19.10	80.00	8
140	249.00	210.00	152.80	140.58	139.88	138.00	18.00	77.00	20.00	87.00	8
160	283.50	240.00	176.20	160.62	159.87	158.00	22.00	87.00	22.00	105.00	8
180	284.00	240.00	202.60	180.81	179.91	178.50	22.00	97.00	25.30	114.00	8
200	340.50	295.00	219.40	200.90	199.85	197.00	22.00	107.00	25.50	128.50	8
250	394.00	350.00	272.50	251.15	249.41	247.00	22.00	132.00	31.00	156.00	12
280	403.00	355.00	303.90	281.46	280.16	278.00	22.00	147.00	29.70	167.00	12

Spigot Flange



Size (De)	D0	D1	D2	d0	d1	d2	d3	dw	da	T	H1	H	L	n
50	148.00	110.00	60.10	56.60	50.33	49.94	49.00	82.00	18.00	32.00	7.60	14.50	35.00	4
63	165.60	125.00	75.20	69.60	63.34	62.93	62.00	93.70	18.00	38.50	8.00	15.60	42.30	4
75	185.00	145.00	87.00	82.60	75.35	74.93	73.00	103.80	18.00	44.50	8.30	16.10	47.80	4
90	194.90	160.00	105.00	99.30	90.38	89.93	88.50	128.40	18.00	52.00	10.50	18.20	54.50	8
110	219.00	180.00	132.00	120.30	110.42	109.92	108.00	150.00	18.00	62.00	14.50	20.00	66.10	8
125	248.00	210.00	145.00	136.60	125.52	124.93	123.00	163.80	18.00	69.50	15.50	19.30	74.10	8
140	248.50	210.00	152.50	151.60	140.58	139.88	138.00	167.80	18.00	77.00	12.50	21.00	83.00	8
160	284.00	240.00	186.50	177.60	160.62	159.87	158.00	260.50	22.00	87.00	19.50	26.00	91.20	8
200	340.00	295.00	230.50	220.50	200.90	199.85	197.00	258.50	22.00	107.00	20.00	29.80	113.00	8
225	340.00	295.00	253.00	245.50	226.02	224.83	221.00	266.70	22.00	119.50	21.50	32.00	123.00	8
250	393.00	350.00	277.00	277.00	251.15	249.41	247.00	303.00	22.00	132.00	22.50	34.00	138.00	12
280	397.00	350.00	308.00	305.40	281.46	280.16	278.00	324.50	22.00	147.00	22.00	35.00	162.00	12
315	445.00	400.00	353.50	346.30	316.55	315.05	312.00	378.50	22.00	165.00	30.00	40.00	157.70	12
355	510.00	460.00	384.00	386.60	356.63	355.03	326.00	413.50	24.00	183.50	32.00	40.00	193.50	16
400	570.00	515.00	438.00	432.00	401.60	400.00	398.50	460.00	24.00	208.00	40.00	43.80	200.00	16
450	620.00	565.00	488.50	486.00	451.94	450.05	447.00	518.00	27.00	233.00	38.00	45.00	245.00	20
500	670.00	620.00	541.00	536.50	502.80	500.60	596.00	573.00	27.00	256.00	38.00	50.00	268.00	20

PVC saddle clamp

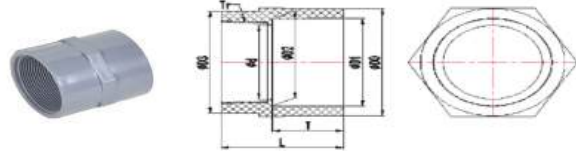


Size (De)	D0	H	L	L1	Tr	Size of Screw
63*1"	63.00	65.30	138.50	89.30	1"	M12*40
75*1"	75.00	63.50	143.50	89.30	1"	M12*40
75*1-1/2"	75.00	63.50	143.50	89.30	1-1/2"	M12*40
90*1/2"	90.00	74.00	159.70	68.00	1/2"	M12*40
90*3/4"	90.00	74.00	159.70	68.00	3/4"	M12*40
90*1"	90.00	74.00	159.70	68.00	1"	M12*40
90*1-1/2"	90.00	74.00	159.70	89.50	1-1/2"	M12*40
110*1/2"	110.00	78.00	198.00	109.50	1/2"	M16*50
110*3/4"	110.00	78.00	200.00	109.50	3/4"	M16*50
110*1"	110.00	81.00	198.00	109.50	1"	M16*50
110*1-1/2"	110.00	91.00	199.00	108.00	1-1/2"	M16*50
110*2"	110.00	91.00	198.00	109.50	2"	M16*50
110*2-1/2"	110.00	91.00	198.00	109.50	2-1/2"	M16*50
125*1-1/2"	125.00	99.00	225.00	110.00	1-1/2"	M16*55
125*2"	125.00	99.00	225.00	110.00	2"	M16*55
125*2-1/2"	125.00	99.00	225.00	110.00	2-1/2"	M16*55
160*1/2"	160.00	104.50	253.00	120.00	1/2"	M16*55
160*3/4"	160.00	104.50	253.00	120.00	3/4"	M16*55
160*1"	160.00	104.50	253.00	120.00	1"	M16*55
160*1-1/2"	160.00	118.50	253.00	120.00	1-1/2"	M16*55
160*2"	160.00	114.00	253.00	120.00	2"	M16*55
160*2-1/2"	160.00	118.50	253.00	120.00	2-1/2"	M16*55
200*1-1/2"	200.00	135.00	317.00	130.00	1-1/2"	M20*70
200*2"	200.00	138.00	317.00	130.00	2"	M20*70
200*2-1/2"	200.00	140.00	317.00	130.00	2-1/2"	M20*70
225*1-1/2"	225.00	150.00	335.00	140.00	1-1/2"	M20*70
225*2"	225.00	152.00	335.00	140.00	2"	M20*70
225*2-1/2"	225.00	168.00	335.00	140.00	2-1/2"	M20*70
250*2"	250.00	170.00	351.00	141.00	2"	M20*80
250*2-1/2"	250.00	170.00	351.00	141.00	2-1/2"	M20*80
250*3"	250.00	170.00	351.00	141.00	3"	M20*80
315*110	315.00	240.00	467.00	160.00		M20*90
315*160	315.00	247.00	467.00	238.00		M20*90
315*2"	315.00	200.00	472.00	158.00	2"	M20*90
315*3"	315.00	205.00	472.00	158.00	3"	M20*90
315*4"	315.00	205.00	472.00	158.00	4"	M20*90
400*200	400.00	320.00	545.00	275.00		M20*90



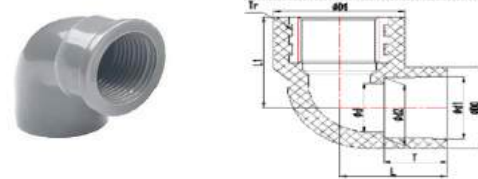


PVC Female Threaded Adaptor



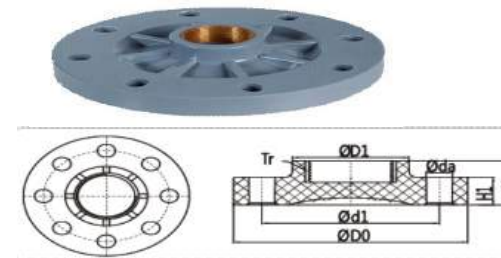
Size (De)	D0	D1	D2	D3	d	T	L	Tr
20*1/2"	26.5	20.24	19.96	28	19	17	36.5	1/2"
25*3/4"	30.5	25.24	24.95	32	24	19.5	37	3/4"
32*1"	37.4	32.25	31.95	38	31	23	43	1"
40*1-1/4"	46.2	40.28	39.95	47.6	39	27	50	1-1/4"
50*1-1/2"	56.6	50.33	49.94	54	49	32	54	1-1/2"
63*2"	70.5	63.34	62.93	57	62	38.5	64.3	2"
75*2-1/2"	84	75.35	74.93	84	73.5	44.5	76.6	2-1/2"
90*3"	100.6	90.38	89.93	100	88.5	52	93.4	3"
110*4"	121.4	110.42	109.92	125.3	108	62	105.5	4"

PVC Threaded Elbow



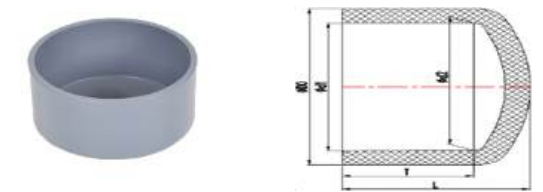
D0	D1	d1	d2	d	T	L1	L	Tr	M
20*1/2"	24.7	32	20.24	19.96	18	17	30.8	28.5	1/2"
25*1/2"	29.7	32	25.24	24.95	24	19.5	33.15	33	1/2"
25*3/4"	29.7	37.1	25.24	24.95	24	19.5	33.15	34.84	3/4"
32*1/2"	37.3	32	32.25	31.95	18.8	23	39.35	42	1/2"
32*3/4"	37.3	37	32.25	31.95	24	23	45.35	42.5	3/4"
32*1"	37.3	44.3	32.25	31.95	31	23	41.35	39.85	1"

Special PVC Copper Threaded Blind Flange Adaptor



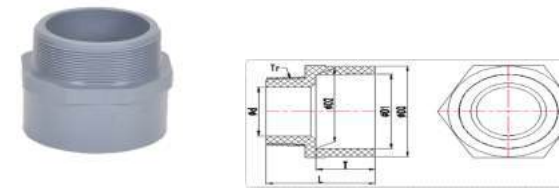
Size (De)	D0	D1	d1	da	H1	H	n	Tr
110*2"	219	82	178	18	21.5	39.5	8	2"
160*2"	283	82	238	22	25	38	8	2"
200*2"	340	84	293	22	30	48	8	2"

PVC Cap



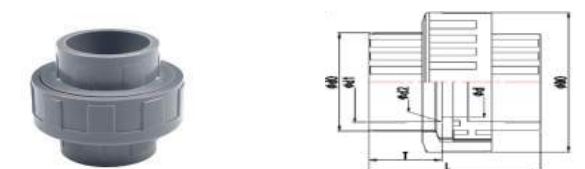
Size (De)	D0	d1	d2	T	L
20	24.5	20.24	19.96	17	21.20
25	29.8	25.24	24.95	19.5	24.80
32	37.1	32.25	31.95	23	30.00
40	45.8	40.28	39.95	27	35.00
50	56.7	50.33	49.94	32	42.00
63	70.3	63.34	62.93	38.5	50.40
75	83.3	75.35	74.93	44.5	58.50
90	100.1	90.38	89.93	52	68.30
110	119.8	110.42	109.92	62	80.00
125	136.38	125.52	124.93	69.5	91.00
140	151	140.58	139.88	77	101.00
160	173.5	160.62	159.87	87	116.00
180	202.6	180.81	179.91	97	143.00
200	220	200.90	199.85	107	150.00
225	243.3	226.02	224.83	119.5	156.00
250	273.7	251.15	249.41	132	185.00
280	315	281.46	280.16	147	213.00
315	343.5	316.55	315.05	165	216.00
355	384.6	356.63	355.03	183.5	255.50

PVC Male Threaded Adaptor



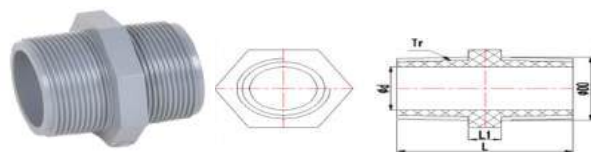
Size (De)	D0	D1	D2	d	T	L	Tr
20*1/2"	26	20.24	19.96	17	17	38.5	1/2"
25*3/4"	30.4	25.24	24.95	17.8	19.5	40.5	3/4"
32*1"	37.5	32.25	31.95	23	23	47.5	1"
40*1-1/4"	46.2	40.28	39.95	30.3	27	54.5	1-1/4"
50*1-1/2"	56.8	50.33	49.94	37.6	32	63.1	1-1/2"
63*2"	70.6	63.34	62.93	47.5	38.5	76.5	2"
75*2-1/2"	83.6	75.35	74.93	60	44.5	87.5	2-1/2"
90*3"	100.7	90.38	89.93	72	52	94	3"
110*4"	121.4	110.42	109.92	95	62	119.5	4"

PVC Union



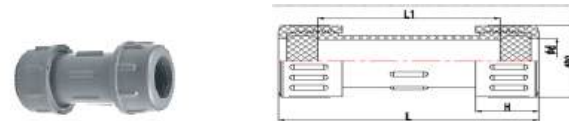
Size (De)	D0	d0	d1	d2	d	T	L
20	45.5	26	20.24	19.96	19	17	53
25	54.5	32	25.24	24.95	24	19.5	59.8
32	65	39.5	32.25	31.95	31	23	68.5
40	75.5	48.5	40.28	39.95	39	27	80.5
50	88.5	59	50.33	49.94	49	32	94
63	102	74.5	63.34	62.93	62	38.5	110
75	122.6	86	75.35	74.93	73.5	44.5	104.7
90	140.7	101.2	90.38	89.93	88.5	52	121.1
110	163.6	122.2	110.42	109.92	108	62	147

PVC Male Adaptor With Two Threaded Ends



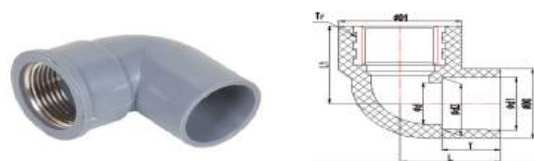
Size (De)	D0	d	L1	L	Tr
20*1/2"	20.80	14.50	7.00	40.50	1/2"
25*3/4"	25.70	17.50	8.00	45.00	3/4"
32*1"	33.10	24.00	11.00	50.00	1"
40*1-1/4"	41.40	32.00	11.00	52.50	1-1/4"
50*1-1/2"	47.30	37.50	12.50	55.00	1-1/2"
63*2"	58.60	48.50	12.50	67.00	2"

PVC Repaired Compression Coupling



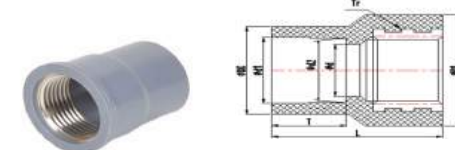
Size (De)	D0	d	H	L1	L
20	44.50	20.60	30.00	100.00	123.00
25	49.00	25.50	31.00	111.50	131.00
32	57.50	33.00	34.50	115.00	140.00
40	72.30	40.60	37.00	120.00	148.00
50	77.00	51.00	40.00	132.00	165.00
63	91.60	69.00	47.00	153.00	190.00
75	105.50	76.00	47.00	183.00	210.00
90	132.00	92.00	55.00	210.00	258.00
110	158.00	112.50	62.00	230.00	290.00
125	183.00	125.75	52.00	184.50	290.00
160	219.00	161.00	59.00	248.50	283.00

PVC Copper Threaded Elbow 90°



Size (De)	D0	D1	d1	d2	d	T	L1	L	Tr
20*1/2"	24.7	32	20.24	19.96	18	17	30.80	28.50	1/2"
25*1/2"	29.7	32	25.24	24.95	24	19.5	33.15	33.00	1/2"
25*3/4"	29.7	37	25.24	24.95	24	19.5	33.15	34.84	3/4"
32*1/2"	37.3	32	32.25	31.95	18.8	23	39.35	42.00	1/2"
32*3/4"	37.3	37	32.25	31.95	24	23	45.35	42.50	3/4"
32*1"	37.3	44.3	32.25	31.95	31	23	41.35	39.85	1"

PVC Copper Threaded Female Adaptor



Size (De)	D0	D1	d1	d2	d	T	L	Tr
20*1/2"	24.3	32.0	20.24	19.96	18.0	17.0	36.7	1/2"
25*1/2"	31	33.0	25.24	24.95	18.8	19.5	39.2	1/2"
25*3/4"	29.8	38.1	25.24	24.95	18.8	19.5	39.5	3/4"
32*1/2"	37.3	32.0	32.25	31.95	18.8	23.0	48.5	1/2"
32*3/4"	37.5	37.5	32.25	31.95	24.0	23.0	48.5	3/4"
32*1"	38	46.4	32.25	31.95	31.0	23.0	42.4	1"

PVC Copper With Threaded Cap

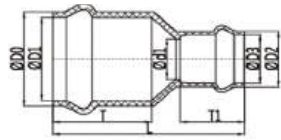


Size (De)	D	d1	d2	L	Tr
63*3/4"	70.50	63.34	62.93	56.00	3/4"
63*1"	70.50	63.34	62.93	56.00	1"



PVC Rubber Joint Fittings PN10 »

Reducing Coupling (F/F)



Size (De)	D0	D1	D2	D3	d1	T1	T	L
75x63	88.5	77.5	74.5	65.3	62	76	84.5	168
90x63	105.5	92.5	74.5	65.3	62	76	95	194
90x75	105.5	92.5	88.5	77.5	73.5	84.5	95	200
110x63	125.7	111.5	74.5	65.3	62	76	122	232
110x75	125.7	111.5	88.5	77.5	73.5	84.5	122	236
110x90	125.7	111.5	105.5	92.5	88.5	95	122	238
160x110	181.5	162.3	125.7	111.5	108	122	141	312
200x110	225	202.5	125.7	111.5	108	122	141	312
200x160	225	202.5	181.5	162.3	158	141	152	335.5
225x110	251.5	227.5	125.7	111.5	108	122	139	358
225x160	251.5	227.5	181.5	162.3	158	141	139	346
225x200	251.5	227.5	225	202.5	197	152	139	389.25
250x110	276.5	252.3	125.7	111.5	108	122	152	387
250x160	276.5	252.3	181.5	162.3	158	141	152	371.75
250x200	276.5	252.3	225	202.5	197	152	152	389
250x225	276.5	252.3	251.5	227.5	221	139	152	371.75
315x110	347.8	318.3	125.7	111.5	108	122	198	444.6
315x160	347.8	318.3	181.5	162.3	158	141	198	436
315x200	347.8	318.3	225	202.5	197	152	198	454
315x225	347.8	318.3	251.5	227.5	221	139	198	458
315x250	347.8	318.3	276.5	252.3	247	152	198	458
355x200	388.5	356.63	225	202.5	197	152	235	455
355x315	388.5	356.63	347.8	318.3	312	198	235	476

45° Elbow (F/F)



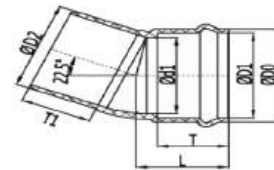
Size (De)	D0	D1	d1	T	L
63	74.5	65.3	62	76	96
75	88.5	77.5	73.5	84.5	110
90	105.5	92.5	88.5	95	122.5
110	125.7	111.5	108	122	152
160	181.5	162.3	158	141	183.5
200	225	202.5	197	152	203
225	251.5	227.5	221	139	217
250	276.5	252.3	247	152	236
315	347.8	318.3	312	198	291
355	388.5	356.63	326	235	315

Coupling (F/F)



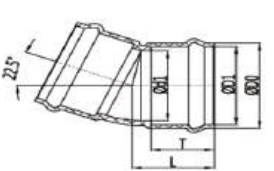
Size (De)	D0	D1	d1	T	L
63	74.5	65.3	62	76	158
75	88.5	77.5	73.5	84.5	178
90	105.5	92.5	88.5	95	200
110	126	111.5	108	122	188.5
160	182	162.3	158	141	304
200	226	202.5	197	152	310
225	251.5	227.5	221	139	362
250	277.3	252.3	247	152	312
315	348.3	318.3	312	198	486
355	388.5	356.63	326	235	384.3

22.5° Elbow (F/S)



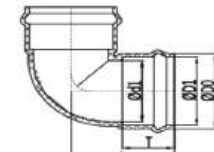
Spec De	D0	D1	D2	d1	T1	T	L
225	251.5	227.5	225.3	221	212	139	196
250	276.5	252.3	250.3	247	228	152	212
315	347.8	318.3	315.2	312	257	198	257

22.5° Elbow (F/F)



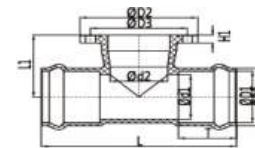
Size (De)	D0	D1	d1	T	L
63	74.5	65.3	62	76	94.5
75	88.5	77.5	73.5	84.5	106
90	105.5	92.5	88.5	95	110
110	125.7	111.5	108	122	152
160	181.5	162.3	158	141	168
200	225	202.5	197	152	178.5
225	251.5	227.5	221	139	196
250	276.5	252.3	247	152	212
315	347.8	318.3	312	198	257

90° Elbow (F/F)



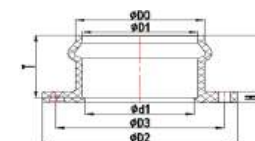
Size (De)	D0	D1	d1	T	L
63	74.5	65.3	62	76	110
75	88.5	77.5	73.5	84.5	125.75
90	105.5	92.5	88.5	95	142.5
110	125.7	111.5	108	122	188.5
160	181.5	162.3	158	141	236.5
200	225	202.5	197	152	270
225	251.5	227.5	221	139	288
250	276.5	252.3	247	152	312
315	347.8	318.3	312	198	393
355	388.5	356.63	326	235	410

Tee With Flange Branch (F/F)



Size (De)	D0	D1	D2	D3	d1	d2	T	H1	L1	L	Number of screws
110	125.7	111.5	224	185	108	108	122	19	160	405	8
160	181.5	162.3	284	235	158	158	141	23	195	473	8
200	225	202.5	338	300	197	197	152	26	230	540	8
225	251.5	227.5	344	293	221	221	139	29.5	255	576	8
250	276.5	252.3	394	250	247	247	152	31.5	280	624	12
315	347.8	318.3	443	398	312	198	198	36	330	788	12
160x110	181.5	162.3	224	185	158	108	141	19	192	446	8
200x110	225	202.5	224	185	197	108	152	19	215	488	8
200x160	225	202.5	284	235	197	158	152	23	220	500	8
225x110	251.5	227.5	224	185	221	108	139	19	233.5	466	8
225x160	251.5	227.5	284	235	221	158	139	23	245	504	8
250x110	276.5	252.3	224	185	247	108	152	19	245.5	500	8
250x160	276.5	252.3	284	235	247	158	152	23	257	538	8
250x200	276.5	252.3	338	300	247	197	152	26	268.5	578	8
315x110	347.8	318.3	224	185	312	108	198	19	277.5	592	8
315x160	347.8	318.3	284	235	312	158	198	23	288.5	626	8
315x200	347.8	318.3	388	300	312	197	198	26	299	667	8

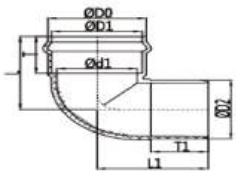
Faucet Flange



D0	D1	D2	D3	d1	T	H	L	n	
63	74.50	65.30	165.00	125.00	62.00	76.00	17.30	84.00	4
75	88.50	77.50	185.00	145.00	73.50	84.50	18.00	92.30	4
90	105.30	92.50	200.00	160.00	88.50	95.00	18.80	103.00	8
110	125.70	111.50	225.00	180.00	108.00	122.00	19.50	134.00	8
125	142.10	127.00	250.00	210.00	123.00	135.00	21.60	135.00	8
160	181.50	162.30	285.00	240.00	158.00	141.00	22.80	150.00	8
200	225.50	202.50	345.00	295.00	197.00	152.00	26.50	163.00	8
225	250.50	227.50	345.00	295.00	221.00	139.00	30.00	153.50	8
250	276.50	252.30	395.00	350.00	247.00	152.00	32.00	167.50	12
315	347.50	318.30	445.00	400.00	312.00	198.00	35.00	210.00	12
355	388.50	359.00	510.00	460.00	326.00	235.00	38.00	210.00	16
400	435.00	404.00	570.00	510.00	568.20	228.00	42.50	247.00	16

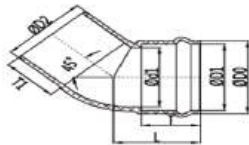


90° Elbow (F/S)



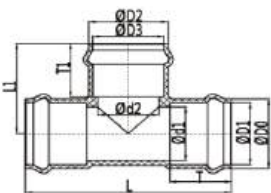
Spec De	D0	D1	D2	d1	T1	T	L1	L
200	225	202.5	200.2	197	223	152	285	270
225	251.5	227.5	225.3	221	212	139	304	288
250	276.5	252.3	250.3	247	252	152	328	312
315	347.8	318.3	315.2	312	291.3	198	393	393

45° Elbow (F/S)



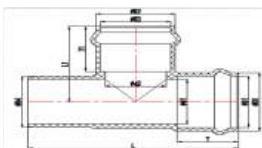
Spec De	D0	D1	D2	d1	T1	T	L1	L
200	225	202.5	202	197	223	152	202	
225	251.5	227.5	225.3	221	212	139	196	
250	276.5	252.3	250.3	247	252	152	236	
315	347.8	318.3	315.2	312	291.3	198	291.3	

Tee Three Socket (F/F/F)



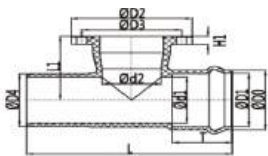
Spec De	D0	D1	D2	D3	d1	d2	T1	T	L1	L
63	74.5	65.3	74.5	65.3	62	62	76	76	110	220
75	88.5	77.5	88.5	77.5	73.5	73.5	84.5	84.5	125.75	255
90	105.5	92.5	105.5	92.5	88.5	88.5	95	95	142.5	285
110	125.7	111.5	125.7	111.5	108	108	122	122	188.5	404
160	181.5	162.3	181.5	162.3	158	158	141	141	236.5	470
200	225	202.5	225	202.5	197	197	152	152	270	555
225	251.5	227.5	251.5	227.5	221	221	139	139	288	592
250	276.5	252.3	276.5	252.3	247	247	152	152	312	640
315	347.8	318.3	347.8	318.3	312	312	198	198	393	786
355	389	356.63	389	356.63	326	326	235	235	410	820
75x63	88.5	77.5	74.5	65.3	73.5	62	76	84.5	115	243
90x63	103.5	92.5	74.5	65.3	88.5	62	76	95	121.4	262.2
90x75	105.5	92.5	88.5	77.5	88.5	73.5	84.5	95	132.9	272.2
110x63	125.7	111.5	74.5	65.3	108	62	76	122	150	405
110x75	125.7	111.5	88.5	77.5	108	73.5	84.5	122	159.5	405
110x90	125.7	111.5	105.5	92.5	108	88.5	95	122	170	405
160x63	181.5	162.3	74.5	65.3	158	62	76	141	175	446
160x75	181.5	162.3	88.5	77.5	158	73.5	84.5	141	185	446
160x90	181.5	162.3	105.5	92.5	158	88.5	95	141	195	446
160x110	181.5	162.3	125.7	110.5	158	108	122	141	220	446
200x63	225	202.5	74.5	65.3	197	62	76	152	195	490
200x75	225	202.5	88.5	77.5	197	73.5	84.5	152	205	490
200x90	225	202.5	105.5	92.5	197	88.5	95	152	215	490
200x110	225	202.5	125.7	110.5	197	108	122	152	240	490
200x160	225	227.5	182	162.3	197	158	141	152	250	500
225x110	251.5	227.5	125.7	110.5	221	108	122	139	263	466
225x160	251.5	252.3	182	162.3	221	158	141	139	290	504
250x110	276.5	252.3	125.7	110.5	247	108	122	152	275	500
250x160	276.5	252.3	182	162.3	247	158	141	152	302	638
250x200	276.5	252.3	225	202.5	247	197	152	152	310	578
250x225	276.5	252.3	251.5	227.5	226	216	150	152	315	626
315x110	347.8	318.3	125.7	110.5	312	108	122	198	317	592
315x160	347.8	318.3	182	162.3	312	158	141	198	336.5	626
315x200	347.8	318.3	225	202.5	312	197	152	198	347	660
315x225	347.8	318.3	251.5	227.5	312	221	139	198	340	735
315x250	347.8	318.3	276.5	252.3	312	247	152	198	347	735
355x160	389	318.3	182	162.3	326	158	141	198	347.5	635
355x200	389	318.3	225	202.5	326	197	152	198	360	730
355x225	389	318.3	251.5	227.5	326	221	139	198	354	730
355x250	389	318.3	276.5	252.3	326	247	152	198	369	730
355x315	389	318.3	347.8	318.3	326	312	198	198	418	820

PVC Y Tee (F/F/S)



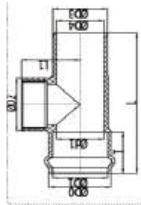
Spec De	D0	D1	D2	D3	D4	d1	d2	T1	T	L1	L
110	125.7	111.5	125.7	111.5	110.2	108	108	122	122	202.5	405
160	181.5	162.3	181.5	162.3	160.3	158	158	141	141	236.5	485
200	225	202.5	225	202.5	202.2	197	197	152	152	270	555
225	251.5	227.5	251.5	227.5	225.3	221	221	139	139	288	595
250	276.5	252.3	276.5	252.3	250.3	247	247	152	152	312	640
315	347.8	318.3	318.3	318.3	315.2	312	198	198	198	393	785
160x110	181.5	162.3	125.7	111.5	160.3	158	108	122	141	220	450
200x110	225	202.5	125.7	111.5	202.2	197	108	122	152	240	495
200x160	225	202.5	181.5	162.3	202.2	197	158	141	152	250	515
225x110	251.5	227.5	125.7	111.5	225.3	221	108	122	139	263	485
225x160	251.5	227.5	181.5	162.3	225.3	221	158	141	139	290	520
250x110	276.5	252.3	125.7	111.5	250.3	247	108	122	152	275	515
250x160	276.5	252.3	181.5	162.3	250.3	247	158	141	152	302	538
250x200	276.5	252.3	225	202.5	250.3	247	197	152	152	228	555
315x110	347.8	318.3	125.7	111.5	315.2	312	108	122	198	317	595
315x160	347.8	318.3	181.5	162.3	315.2	312	158	141	198	336.5	625
315x200	347.8	318.3	225	202.5	315.2	312	197	152	198	393	660

PVC Tee with Flange Branch (F/S)



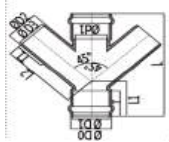
Size (De)	D0	D1	D2	D3	D4	d1	d2	T	H1	L1	L	Number of screws
110	125.7	111.5	224	185	110.2	108	108	122	19	160	405	8
160	181.5	162.3	284	235	160.3	158	158	141	23	195	485	8
200	225	202.5	338	300	220.2	197	197	152	26	230	555	8
225	251.5	227.5	344	293	225.3	221	221	139	29.5	255	595	8
250	276.5	252.3	394	250	250.3	247	247	152	31.5	280	640	12
315	347.8	318.3	443	398	315.2	312	198	198	36	330	785	12
160x110	181.5	162.3	224	185	160.3	158	108	141	19	192	450	8
200x110	225	202.5	224	185	200.2	197	108	152	19	215	495	8
200x160	225	202.5	284	235	200.2	197	158	152	23	220	515	8
225x110	251.5	227.5	224	185	225.3	221	108	139	19	233.5	485	8
225x160	251.5	227.5	284	235	225.3	221	158	139	23	245	520	8
250x110	276.5	252.3	224	185	250.3	247	108	152	19	245.5	515	8
250x160	276.5	252.3	284	235	250.3	247	158	152	23	257	538	8
250x200	276.5	252.3	338	300	250.3	247	197	152	26	268.5	555	8
315x110	347.8	318.3	224	185	315.2	312	108	198	19	277.5	595	8
315x160	347.8	318.3	284	235	315.2	312	158	198	23	288.5	625	8
315x200	347.8	318.3	388	300	315.2	312	197	198	26	299	660	8

Tee with cooper threaded (F/S)



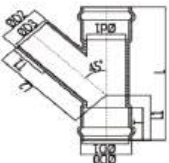
Size (De)	D0	D1	D2	D3	D4	d1	T	L1	L
110*2"	125.70	111.50	80.00	110.20	79.00	108.00	122.00	79.00	335.00
160*2"	181.50	162.30	80.00	160.30	140.00	158.00	141.00	102.00	375.00
200*2"	225.00	202.50	80.00	202.20	178.00	197.00	152.00	123.00	410.00

PVC Lateral Cross (F/F/S/S)



Size (De)	D0	D1	D2	D3	d1	T1	T	L1	L2	L
110	125.7	111.5	110.2	96	108	125	122	160.8	282	455
160	181.5	162.3	160.3	140	158	145	141	194	371.2	575
200	225	202.5	200.2	178	197	160	152	215.8	426.5	660
250	276.5	252.3	250.3	227	247	180	152	232.5	508.7	739
315	347.8	318.3	315.2	288	312	202	198	284	636.8	917

PVC Y Tee



Size (De)	D0	D1	D2	D3	d1	T1	T	L1	L2	L
110	125.7	111.5	110.2	96	108	125	122	160.8	282	455
160	181.5	162.3	160.3	140	158	145	141	194	371.2	575
200	225	202.5	200.2	178	197	160	152	215.8	426.5	660
250	276.5	252.3	250.3	227	247	180	152	232.5	508.7	739
315	347.8	318.3	315.2	288	312	202	198	284	636.8	917



DIN Standard UPVC Pressure Pipes & Fittings (PN16) »

PVC-U DIN PN16 Pressure Pipe



Size	PN	D	Z	L
20	16	20	2.3	4-6
25	16	25	2.8	4-6
32	16	32	3.6	4-6
40	16	40	3.0	4-6
50	16	50	3.7	4-6
63	16	63	4.7	4-6
75	16	75	5.6	4-6
90	16	90	6.7	4-6
110	16	110	6.6	4-6
140	10	140	8.3	4-6
160	10	160	9.5	4-6
200	10	200	11.9	4-6

90 Deg Elbow



Size	PN	D	L 1	L
20	16	20	16.5	44
25	16	25	19.0	52
32	16	32	22.5	62
40	16	40	26.5	74
50	16	50	31.5	89
63	16	63	38.0	109
75	16	75	44.0	127
90	16	90	51.5	149
110	16	110	61.5	179
125	16	125	70	136.8
140	10	140	76.5	225.6
160	10	160	86.5	256
200	10	200	106.5	317

Skew Tee



Size	PN	D	L2	L1	L
50	16	50	31.7	97.3	141
63	16	63	37.75	115.62	168.3

Coupling



Size	PN	D	L 1	L
20	16	20	16.5	36
25	16	25	19	41
32	16	32	22.5	48
40	16	40	26.5	57
50	16	50	31.5	67
63	16	63	38	80
75	16	75	44	92
90	16	90	51.5	108
110	116	110	61.5	128
140	10	140	76.5	161
160	10	160	86.5	181
200	10	200	106.5	221

45 Deg Elbow



Size	D	L	L1	L
20	16	20	16.5	21.5
25	16	25	19.0	25
32	16	32	22.5	30.5
40	16	40	26.5	36.5
50	16	50	26.5	43.5
63	16	63	31.5	53
75	16	75	38.0	61
90	16	90	44.0	71.5
110	16	110	51.5	85.5
125	16	125	70	98
140	10	140	76.5	110.2
160	10	160	86.5	124.3
200	10	200	106.5	147.2

UNION



Size	D	D1	L	L1
20	20	38	42.5	16.5
25	25	50	46	19.5
32	32	58	54	22.0
40	40	69	61.5	26.0
50	50	80.5	73	31.0
63	63	98	85	36.5
75	75	129.5	119.2	45
90	90	183	123.4	52
110	110	207	150	57

Tee



Size	PN	D	L 1	L
20	16	20	16.5	44
25	16	25	19.0	52
32	16	32	22.5	62
40	16	40	26.5	74
50	16	50	31.5	89
63	16	63	38.0	109
75	16	75	44.0	127
90	16	90	51.5	149
110	16	110	61.5	179
125	16	125	70	136.8
140	10	140	76.5	225.6
160	10	160	86.5	256

Cap



Size	PN	D	L
20	16	20	16.5
25	16	25	19.0
32	16	32	22.5
40	16	40	26.5
50	16	50	31.5
63	16	63	38.0
75	16	75	44.0
90	16	90	51.5
110	16	110	61.5

Male Adapter (HEX)



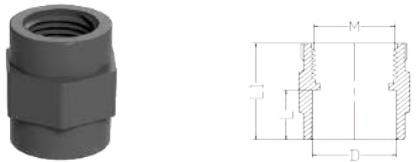
Size	PN	D	L1	L	M
20X1/2"	16	20	16.5	46	1/2"
25X1/2"	16	25	19.0	49	1/2"
25X3/4"	16	25	19.0	50	3/4"
32X1/2"	16	32	22.5	52	1/2"
32X1"	16	32	22.5	57	1"
40X1-1/4"	16	40	26.5	66	1-1/4"
50X1-1/2"	16	50	31.5	74.5	1-1/2"
63X2"	16	63	38.0	85	2"
75X2-1/2"	16	75	44.0	98	2-1/2"
90X3"	16	90	51.5	110	3"
110X4"	16	110	61.5	119	4"

Reducing Coupling



Size	PN	D	D1	L 1	L
25X20	16	20	20	16.5	19.0
32X20	16	32	20	16.5	22.5
32X25	16	32	25	19.0	22.5
40X20	16	40	20	16.5	26.5
40X25	16	40	25	19.0	26.5
40X32	16	40	32	22.5	26.5
50X25	16	50	25	19.0	31.5
50X32	16	50	32	22.5	31.5
50X40	16	50	40	26.5	31.5
63X32	16	63	32	22.5	38
63X40	16	63	40	26.5	38
63X50	16	63	50	31.5	38
75X40	16	75	40	26.5	44
75X50	16	75	50	31.5	44
75X63	16	75	63	38.0	44
90X50	16	90	50	31.5	51.5
90X63	16	90	63	38.0	51.5
90X75	16	90	75	44.0	51.5
110X63	16	110	63	38.0	61.5
110X75	16	110	75	44.0	61.5
110X90	16	110	90	51.5	61.5

Female Adapter



Size	PN	D	L1	L	M
20X1/2"	16	20	16.5	36	1/2"
25X3/4"	16	25	19.0	40	3/4"
32X1"	16	32	22.5	45	1"
40X1-1/4"	16	40	26.5	54	1-1/4"
50X1-1/2"	16	50	31.5	62	1-1/2"
63X2"	16	63	38.0	72	2"
75X2-1/2"	16	75	44.0	82	2-1/2"
90X3"	16	90	51.5	93	3"
110X4"	16	110	61.5	107	4"



Reducer Bushing



Size	PN	D1	D	L
25X20	16	25	20	16.5
32X20	16	32	20	16.5
32X25	16	32	25	19.0
40X25	16	40	25	19.0
40X32	16	40	32	22.5
50X25	16	50	25	19.0
50X32	16	50	32	22.5
50X40	16	50	40	26.5
63X32	16	63	32	22.5
63X40	16	63	40	26.5
63X50	16	63	50	31.5
75X50	16	75	50	31.5
75X63	16	75	63	38.0
90X63	16	90	63	38.0
90X75	16	90	75	44.0
110X63	16	63	110	39.0
110X75	16	110	75	44.0
110X90	16	110	90	51.5
140X90	10	140	90	51.5
140X110	10	140	110	61.5
160X140	10	160	140	76.5
200X140	10	200	140	76.5
200X16	10	200	160	86.5

Female Reducer



Size	D	D1	L	M
25X1/2"	25	33	20.8	1/2"
32X1/2"	32	40	24.8	1/2"
32X3/4"	32	40	24.8	3/4"

One Piece Flange



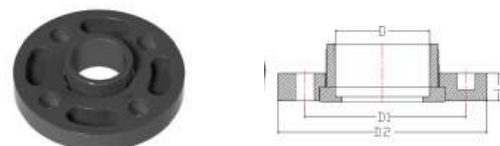
Size	PN	D1	D	D2	L
20	16	65	20	95	16
25	16	75	25	105	18
32	16	85	32	115	18
40	16	100	40	135	20
50	16	110	50	145	22
63	16	125	63	160	24
75	16	145	75	180	24
90	16	160	90	195	26
110	16	180	110	215	28
140	10	210	140	245	30
160	10	240	160	280	30
200	10	295	200	335	32
250	10	355	250	405	34

Coupling



Size	D	L	L1
50	50	30.7	64.6
63	63	38.0	78.5
75	75	43.8	93.1
90	90	51.1	107.3
110	110		128

Van Stone Flange



Size	PN	D1	D	D2	L
50	16	110	50	145	22
63	16	125	63	160	24
75	16	145	75	180	24
90	16	160	90	195	26
110	16	180	110	215	28
140	10	210	140	245	30
160	10	240	160	280	30
200	10	295	200	335	32
250	10	355	250	405	34

Tank Connector



Size	Z	L	D	M
20	21	60	64	1/2"
25	21	62	70	3/4"
32	21	64	80	1"
40	26	68	86	1-1/4"
50	29	73	94	1-1/2"
63	35	79	103	2"

Reducing Tee



Size	PN	D	D1	L	L1
25X20	16	25	20	19	16.5
32X20	16	32	20	22.5	16.5
32X25	16	32	25	22.5	19.0
40X25	16	40	25	26.5	19.0
40X32	16	40	32	26.5	22.5
50X32	16	50	32	31.5	26.5
50X40	16	50	40	31.5	26.5
63X40	16	63	40	38	26.5
63X50	16	63	50	38	31.5
75X50	16	75	50	44	31.5
75X63	16	75	63	44	38.0
90X63	16	90	63	51.5	44.0
90X75	16	90	75	51.5	44.0
110X75	16	110	75	61.5	51.5
110X90	16	110	90	61.5	51.5
140X110	16	140	110	76.5	76.5
160X140	10	160	140	86.5	76.5
200X160	10	200	160	106.5	86.5

Side Outlet Tee



Size	D	L	L1
32	32	22	39.5

90 Deg Elbow



Size	D	L	L1
50	50	30.7	56.8
63	63	37.5	70.8
75	75	43.8	86.2
90	90	50.8	97.9
110	110	61.2	116.4

Female Elbow With Plate



Size	D	L	L1	L2	M
20X1/2"	20	16.5	28.9	27	1/2"

Female Elbow With Plate



Size	D	L	L1
32	32	22	39.5

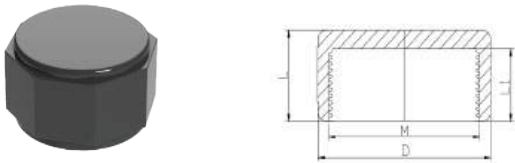
Tee



Size	D	L	L1
50	50	31.6	114.3
63	63	38.5	141.5
75	75	44.6	164
90	90	51.3	194.1
110	110	61.0	233.7



Cap (Thread)



Size	D	L	L1	M
63	69	32.6	25.5	2"

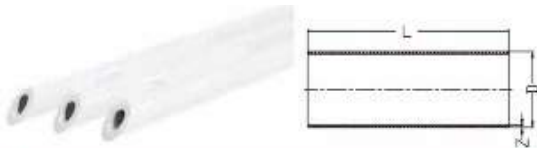
Cross



Size	D	L	L1
25	25	39.8	25.5
32	32	46.1	28.6

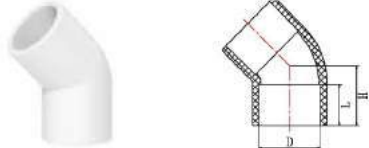
UPVC Water Supply Pipes & Fittings (ASTM SCH40)

PVC-U SCH40 Pipe



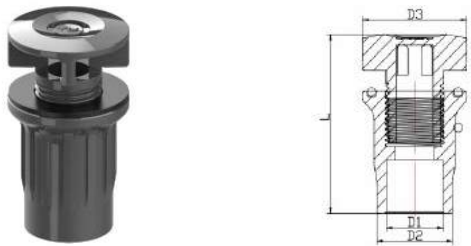
Size	D	Z	L
1/2"	21.34	1.7 /1.9 /2.77	4
3/4"	26.67	1.9 /2.0 /2.87	4
1"	33.40	2.2 /2.4 /3.38	4
1-1/4"	42.16	2.7 /3.56	4
1-1/2"	48.26	3.2 /3.68	4
2"	60.32	3.91 /4.2	4
2-1/2"	73.02	5.16	4
3"	88.90	5.49 /5.7	4
4"	114.3	6.02 /7.3	4

45 Deg Elbow



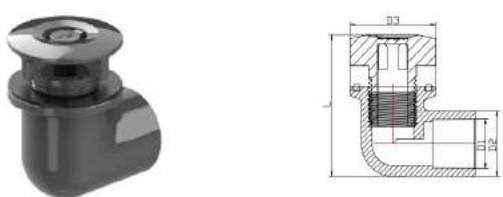
Size	D	L	H
1/2"	21.34	17.5	30
3/4"	26.67	18.5	33.5
1"	33.40	22.5	41.5
1-1/4"	42.16	24.0	47.5
1-1/2"	48.26	28.0	54.5
2"	60.32	29.5	63.5
2-1/2"	73.02	44.5	85
3"	88.90	48	96.5
4"	114.3	51	113

Fish Tank Connector



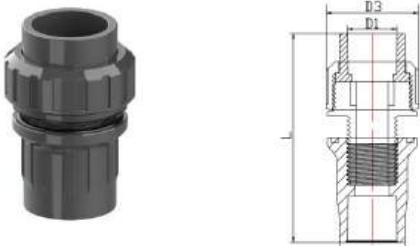
Size	D1	D2	D3	L
20	20	26.9	37	61.95±2
25	25	34	44.8	71.85±2

Fish Tank Connector



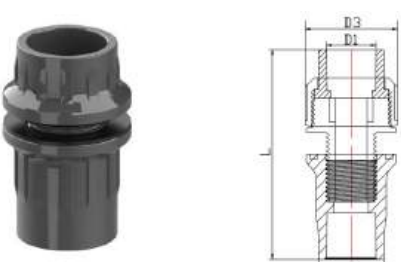
Size	D1	D2	D3	L
20	20	26.9	37	61.95±2
25	25	34	44.8	71.85±2
32	32	40.6	51.5	80±2

Fish Tank Connector



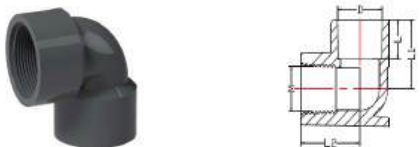
Size	D1	D2	D3	L
20	20	26.9	37	84.4±2
25	25	34	44.8	97±2
32	32	40.6	58	101±2
40	40	49	69	112.7±2
50	50	58.6	80.45	123.8±2

Fish Tank Connector



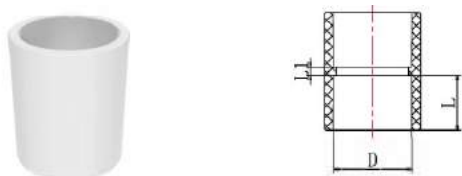
Size	D1	D2	D3	L
20	20	26.9	37	73.15±2
25	25	34	44.8	82.2±2
32	32	40.6	52	90.45±2
40	40	49	60.7	90.3±2
50	50	58.6	70.3	96.1±2

Female Elbow



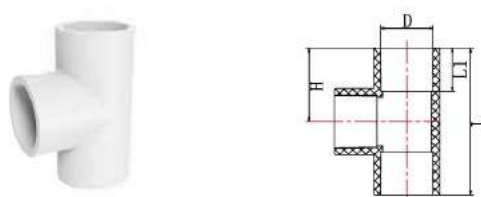
Size	D1	D2	L1	L2	L	M
50x1-1/2"	50	58.2	31.2	26.5	55.9	1-1/2"

Coupling



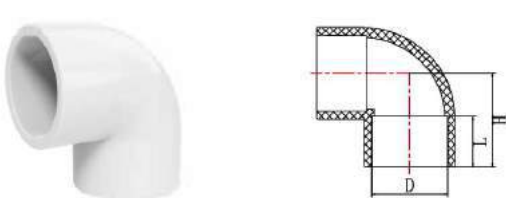
Size	D	L	H
1/2"	21.34	17.5	2.5
3/4"	26.67	18.5	3
1"	33.40	22.5	3.5
1-1/4"	42.16	24.0	3.5
1-1/2"	48.26	28.0	3.5
2"	60.32	29.5	5
2-1/2"	73.02	44.5	5
3"	88.90	48	5.5
4"	114.3	51	6

Tee



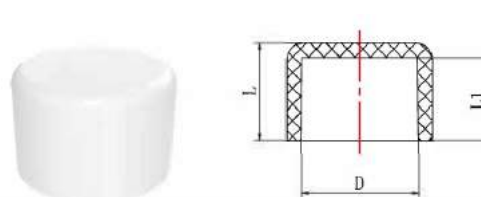
Size	D	L1	H	L
1/2"	21.34	17.5	30	60
3/4"	26.67	18.5	33.5	67
1"	33.40	22.5	41.5	83
1-1/4"	42.16	24.0	47.5	95
1-1/2"	48.26	28.0	54.5	109
2"	60.32	29.5	63.5	127
2-1/2"	73.02	44.5	85	170
3"	88.90	48	96.5	193
4"	114.3	51	113	226

90 Deg Elbow



Size	D	L	H
1/2"	21.34	17.5	30
3/4"	26.67	18.5	33.5
1"	33.40	22.5	41.5
1-1/4"	42.16	24.0	47.5
1-1/2"	48.26	28.0	54.5
2"	60.32	29.5	63.5
2-1/2"	73.02	44.5	85
3"	88.90	48	96.5
4"	114.3	51	113

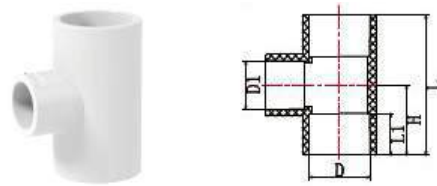
Cap



Size	D	L	H
1/2"	21.34	17.5	20.0
3/4"	26.67	18.5	21.5
1"	33.40	22.5	26.0
1-1/4"	42.16	24.0	27.5
1-1/2"	48.26	28.0	31.5
2"	60.32	29.5	34.5
2-1/2"	73.02	44.5	49.5
3"	88.90	48	53.5
4"	114.3	51	57.0

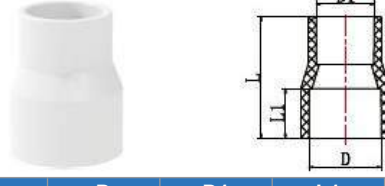


Reducing Tee



Size	D	D1	L1	H	L
3/4"x1/2"	26.67	21.34	17.5	30.8	61.6
1"x1/2"	33.4	21.34	18.5	35.3	70.6
1"x3/4"	33.4	26.67	18.5	38	76
1-1/4"x1/2"	42.16	21.34	24.82	39.44	78.87
1-1/4"x3/4"	42.16	26.67	24	39.8	79.6
1-1/4"x1"	42.16	33.40	24	43.2	86.4
1-1/2"x1/2"	48.26	21.34	28.82	43.42	86.83
1-1/2"x3/4"	48.26	26.67	28.82	46.09	92.17
1-1/2"x1"	48.26	33.40	28	47.2	94.4
1-1/2"x1-1/4"	48.26	42.16	28	51.5	103.0
2"x3/4"	60.32	26.67	30.4	48.69	97.37
2"x1"	60.32	33.40	30.4	51.04	102.07
2"x1-1/4"	60.32	42.16	29.5	54.6	109.2
2"x1-1/2"	60.32	48.26	29.5	57.6	115.2
2-1/2"x1-1/2"	73.02	48.26	44.5	72.6	145.2
2-1/2"x2"	73.02	60.32	44.5	78.6	157.2
3"x2"	88.9	60.32	48	82.5	165
3"x2-1/2"	88.9	73.02	48	88.5	177
4"x2-1/2"	114.3	73.02	51	92	184
4"x3"	114.3	88.90	51	100	200

Reducing Coupling



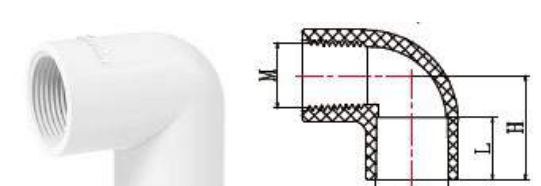
Size	D	D1	L1	L
1/2"x3/8"	21.34	6.3	19	61.5
3/4"x1/2"	26.67	21.34	17.5	45
1"x1/2"	33.4	21.34	18.5	50
1"x3/4"	33.4	26.67	18.5	50
1-1/4"x1/2"	42.16	21.34	24.82	54.32
1-1/4"x3/4"	42.16	26.67	24	55
1-1/4"x1"	42.16	33.40	24	60
1-1/2"x1/2"	48.26	21.34	28.84	59.3
1-1/2"x3/4"	48.26	26.67	28.8	60.1
1-1/2"x1"	48.26	33.40	28	65
1-1/2"x1-1/4"	48.26	42.16	28	67
2"x1/2"	60.32	26.67	30.4	65.7
2"x3/4"	60.32	33.4	30.4	69.62
2"x1"	60.32	42.16	29.5	70
2"x1-1/4"	60.32	48.26	29.5	72
2"x1-1/2"	73.02	48.26	44.5	90
2-1/2"x2"	73.02	60.32	44.5	92
3"x2-1/2"	88.9	60.32	48	97
3"x2"	88.9	73.02	48	110
4"x2"	114.3	73.02	51	125
4"x3"	114.3	88.90	51	130

Compression Coupling



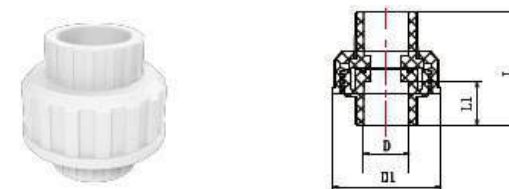
Size	D	D1	D2	L	L1
1/2"	21.34	29	44	30	124
3/4"	26.67	34.7	49	31	128
1"	33.40	42	56.1	35	145
1-1/4"	42.16	51	67.8	37	165
1-1/2"	48.26	57.2	74.2	39.5	185
2"	60.32	70.1	87.7	46	212
2-1/2"	73.02	86.3	105.1	53	246
3"	88.90	102.6	122	56	277
4"	114.3	102.5	151	62.5	315

Female Elbow



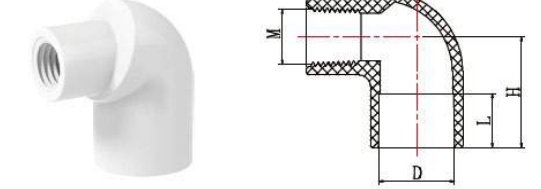
Size	D	L	H	M
1/2"	21.34	17.5	31.2	1/2"
3/4"	26.67	18.5	33.5	3/4"
1"	33.40	22.5	42.5	1"
1-1/4"	42.16	24	48.5	1-1/4"
1-1/2"	48.26	28	54.2	1-1/2"
2"	60.32	29.5	63.5	2"

Union



Size	D	D1	L1	L
1/2"	21.34	51.6	17.5	54.5
3/4"	26.67	65.8	18.5	58.2
1"	33.40	74	22.5	68.8
1-1/4"	42.16	87	24	75.3
1-1/2"	48.26	102.5	28	83
2"	60.32	120	29.5	103.2

Female Reducing Elbow



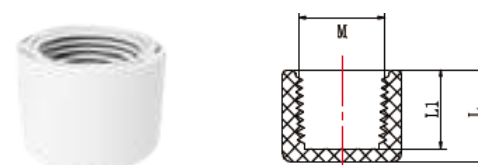
Size	D	L	Z	M
1/2"x3/4"	21.34	17.5	37.5	3/4"
3/4"x1/2"	26.67	18.5	44.5	1/2"
1"x1/2"	33.40	22.5	51.5	1/2"
1"x3/4"	33.40	22.5	51.5	3/4"

Reducer Bushing



Size	D	D1	D2	L1	L
3/4"x1/2"	26.67	21.34	33	17.5	27.5
1"x1/2"	33.4	21.34	40	17.5	28.5
1"x3/4"	33.4	26.67	40	18.5	28.5
1-1/4"x1/2"	42.16	21.34	46.42	18.5	29.82
1-1/4"x3/4"	42.16	26.67	46.42	19.3	29.82
1-1/4"x1"	42.16	33.40	47.8	22.5	31.5
1-1/2"x1/2"	48.26	21.34	52.56	18.5	33.8
1-1/2"x3/4"	48.26	26.67	52.56	19.3	24.3
1-1/2"x1"	48.26	33.40	54	22.5	34
1-1/2"x1-1/4"	48.26	42.16	54	24	36
2"x1/2"	60.32	21.34	65.63	18.5	36.4
2"x3/4"	60.32	26.67	65.63	19.3	36.4
2"x1"	60.32	33.4	66.5	22.5	36.5
2"x1-1/4"	60.32	42.16	65.63	24.82	36.4
2"x1-1/2"	60.32	48.26	66.5	28	39
2-1/2"x2"	73.02	60.32	82	29.5	53.5
3"x2-1/2"	88.9	73.02	97.5	44.5	57
3"x2"	88.9	60.32	95	29.5	50.5
4"x2"	114.3	60.32	122.5	29.5	51.5
4"x3"	114.3	88.90	124	48	61

Female Cap



Size	L	L1	M
1/2"	28	21	1/2"
3/4"	21	26	3/4"
1"	21	26	1"

Running Trap



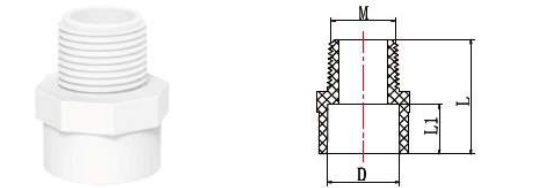
Size	D	D1	L
1/2"	21.34	28.8	240
3/4"	26.67	34.5	250
1"	33.40	42.5	260

Female Adapter



Size	D	L1	L	M
1/2"	21.34	17.5	41.5	1/2"
3/4"x1/2"	26.67	18.5	39	1/2"
3/4"	26.67	18.5	43	3/4"
1"	33.40	22.5	55	1"
1-1/4"	42.16	24	55	1-1/4"
1-1/2"	48.26	28	61.5	1-1/2"
2"	60.32	29.5	62	2"
2-1/2"	73.02	44.5	91	2-1/2"
3"	88.90	48	95	3"
4"	114.3	51	100	4"

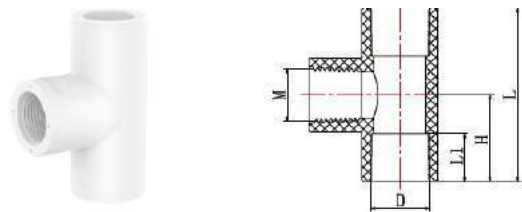
Male Adapter



Size	D	L1	L	M
1/2"	21.34	17.5	41.5	1/2"
1/2" X 3/4"	21.34	17.5	41.5	3/4"
3/4"x1/2"	26.67	18.5	39	3/4"
3/4"	26.67	18.5	43	1/2"
1"	33.40	22.5	55	1"
1-1/4"	42.16	24	55	1-1/4"
1-1/2"	48.26	28	61.5	1-1/2"
2"	60.32	29.5	62	2"
2-1/2"	73.02	44.5	91	2-1/2"
3"	88.90	48	95	3"
4"	114.3	51	100	4"

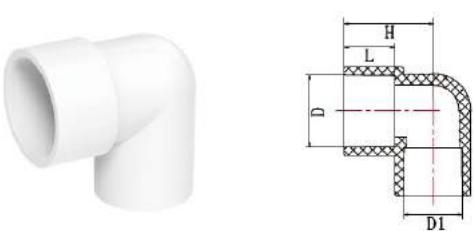


Female Tee



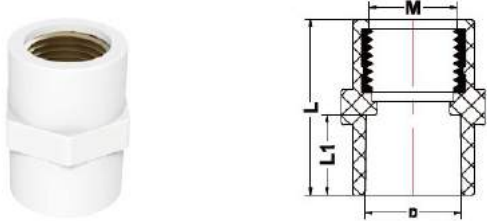
Size	D	L1	H	L	M
1/2"	21.34	17.5	32.5	65	1/2"
3/4"	26.67	18.5	42.0	84	3/4"
1"	33.40	22.5	48.3	96.6	1"

Reducing Elbow



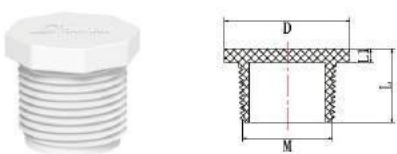
Size	D	D1	L	H
3/4"X1/2"	26.67	21.34	18.5	33
1"X1/2"	33.40	21.34	22.5	38
1"X3/4"	33.40	26.67	22.5	40

Female Adapter (Brass)



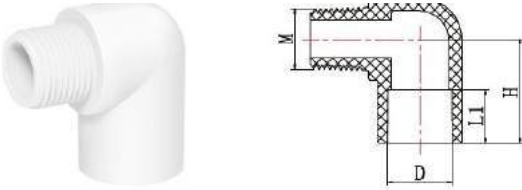
Size	D1	L1	L	M
1/2"	21.34	18.0	39.4	1/2"
3/4"	26.67	19.5	42.4	3/4"
1"	33.40	23.3	48.66	1"

Male Plug



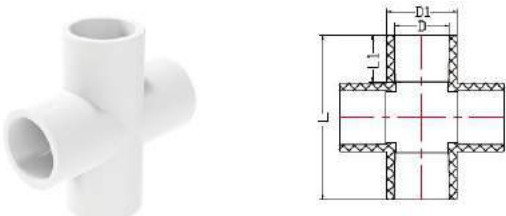
Size	D	L1	L	M
1/2"	27	6	23.8	1/2"
3/4"	32.5	6	25.4	3/4"
1"	39	6	31.8	1"
1-1/4"	54	6	32	1-1/4"
1-1/2"	60	6	32	1-1/2"
2"	76	6	34	2"

Male Elbow



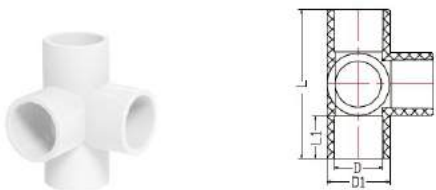
Size	D	L1	H	M
1/2"	21.34	17.5	35	1/2"
3/4"	26.67	18.5	38.5	3/4"
1"	33.40	22.5	46	1"

Cross



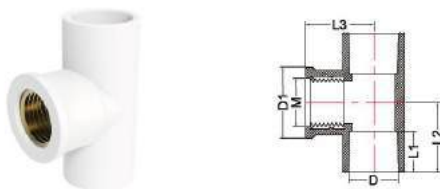
Size	D	D1	L1	L
1/2"	21.34	27.34	18.5	65.23
3/4"	26.67	32.87	19.26	74.09

Side Outlet Tee



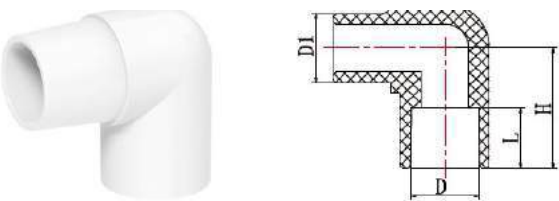
Size	D	D1	L1	L
1/2"	21.34	27.34	18.5	65.23
3/4"	26.67	32.87	19.26	74.09

Female Tee {Brass}



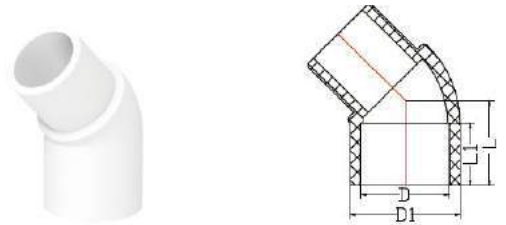
Size	D	D1	L1	L2	L3	M
1/2"	21.34	31.6	18	31	30	1/2"
3/4"	26.67	38.1	19.5	35	33.6	3/4"

Street Elbow



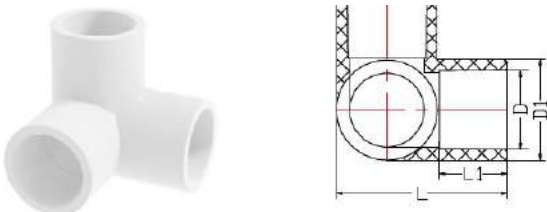
Size	D1	D	H	L
1/2"	21.34	21.34	35	17.5
3/4"	26.67	26.67	42.0	18.5
1"	33.40	33.40	46	22.5

45 Deg Street Elbow



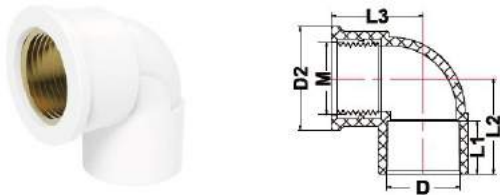
Size	D	D1	L1	L
1/2"	21.34	27.34	19.02	24.68

Side Outlet Elbow



Size	D	D1	L1	L
1/2"	21.34	27.34	18.5	46.29
3/4"	26.67	32.87	19.26	53.48

Female Elbow (Brass)



Size	D	D1	L1	L
1/2"	21.34	27.34	18.5	65.23
3/4"	26.67	32.87	19.26	74.09

Street Elbow(Thread)

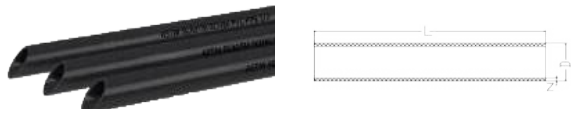


Size	M1	L1	H	M
3/4"	3/4"	18.5	38.5	3/4"



UPVC Pressure Pipes & Fittings (ASTM SCH80)

PVC-U SCH80 Pipe



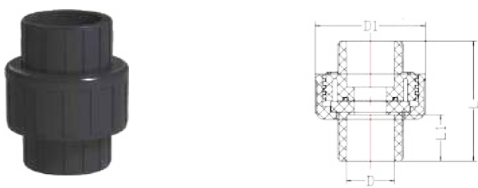
Size	D	Z	L
1/2"	21.3	3.7	4
3/4"	26.7	3.9	4
1"	33.4	4.6	4
1-1/4"	42.2	4.9	4
1-1/2"	48.3	5.1	4
2"	60.3	5.5	4
2-1/2"	73.0	7.1	4
3"	88.9	7.6	4
4"	114.3	8.6	4
5"	141.3	9.52	4
6"	168.28	10.97	4
8"	219.08	12.70	4

90 Deg Elbow



Size	D	L	L 1
1/2"	21.34	24	36.5
3/4"	26.67	27	42.5
1"	33.4	30	49.5
1-1/4"	42.16	33	56.0
1-1/2"	48.26	36	63.0
2"	60.32	39	73.5
2-1/2"	73.02	46	86.5
3"	88.9	49	100.0
4"	114.3	59	124.0
5"	141.0	66.7	143.5
6"	168.0	76.5	163.6

UNION



Size	D	L1	L	D1
1/2"	21.34	24	54	48.5
3/4"	26.67	27	60	56.2
1"	33.4	30	68	64.0
1-1/4"	42.16	33	76	75.7
1-1/2"	48.26	36	84	83.4
2"	60.32	39	93	98.3

Coupling



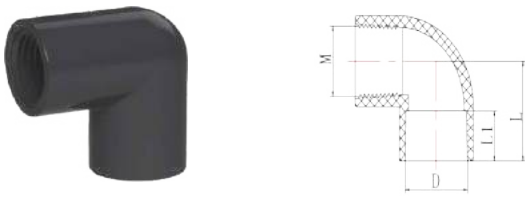
Size	D	L	L 1
1/2"	21.34	24	50.0
3/4"	26.67	27	56.5
1"	33.4	30	62.5
1-1/4"	42.16	33	68.5
1-1/2"	48.26	36	74.5
2"	60.32	39	80.5
2-1/2"	73.02	46	97.0
3"	88.9	49	103.0
4"	114.3	59	123.0
5"	141.0	67	139.3
6"	168.0	76.5	159.6

Cap



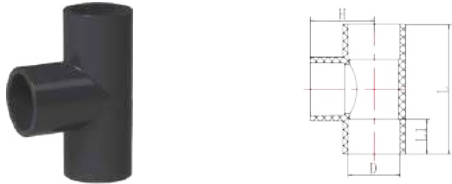
Size	D	L	L 1
1/2"	21.34	34	24
3/4"	26.67	37	27
1"	33.4	40	30
1-1/4"	42.16	43	33
1-1/2"	48.26	46	36
2"	60.32	53	39
2-1/2"	73.02	61	46
3"	88.9	66	49
4"	114.3	67.5	59
6"	168.0	93.8	76.5

Female Elbow



Size	D	L1	L	M
1/2"	21.34	24	36.4	1/2"
3/4"	26.67	27	42.7	3/4"
1"	33.4	30	49.1	1"
1-1/4"	42.16	32	55.62	1-1/4"
1-1/2"	48.26	35	61.81	1-1/2"
2"	60.32	39	72	2"

TEE



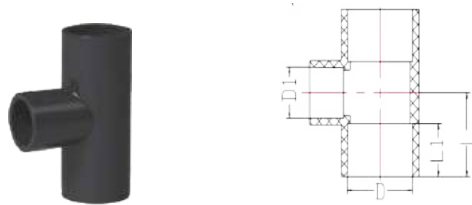
Size	D	L	L 1	H
1/2"	21.34	48	24	36.5
3/4"	26.67	54	27	42.5
1"	33.4	60	30	49.5
1-1/4"	42.16	66	33	56
1-1/2"	48.26	72	36	63
2"	60.32	78	39	73.5
2-1/2"	73.02	92	46	86.5
3"	88.9	98	49	100
4"	114.3	118	59	124
5"	141.0	133.4	66.7	143.5
6"	168.0	153	76.5	163.6

45 Deg Elbow



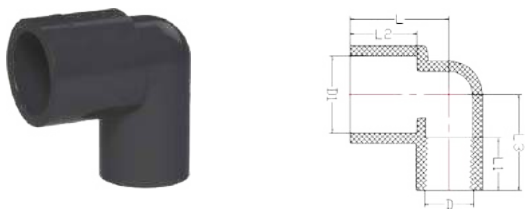
Size	D	L	L 1
1/2"	21.34	30.5	24
3/4"	26.67	34.5	27
1"	33.4	39.5	30
1-1/4"	42.16	45.0	33
1-1/2"	48.26	49.0	36
2"	60.32	54.5	39
2-1/2"	73.02	66	46
3"	88.9	72	49
4"	114.3	88	59
5"	141.0	143.5	66.7
6"	168.0	163.6	76.5

REDUCING TEE



Size	D	D1	L 1	L
1/2"X3/4"	21.34	26.67	22.3	37.3
3/4"X1/2"	26.67	21.34	27	39.5
1"X1/2"	33.4	21.34	30	42.5
1"X3/4"	33.4	26.67	30	45.5
1-1/4"X1/2"	42.16	21.34	32	44.9
1-1/4"X3/4"	42.16	26.67	33	48.5
1-1/4"X1"	42.16	33.40	33	51.5
1-1/2"X1/2"	48.26	21.34	36	49.5
1-1/2"X3/4"	48.26	26.67	36	53.5
1-1/2"X1"	48.26	33.4	36	56
1-1/2"X1-1/4"	48.26	42.16	36	61
2"X1/2"	60.3	21.34	39	53.5
2"X3/4"	60.3	26.67	39	46.5
2"X1"	60.3	33.40	39	62.0
2"X1-1/4"	60.3	42.16	39	64
2"X1-1/2"	60.3	48.26	39	64
2-1/2"X1-1/2"	73.02	48.26	46	74
2-1/2"X2"	73.02	60.32	46	80
3"X2"	88.9	60.32	49	83
3"X2-1/2"	88.9	73.02	49	89.5
4"X2"	114.3	60.32	58	90.5
4"X2-1/2"	114.3	73.02	59	99.5
4"X3"	114.3	88.9	59	107.5
6"X3"	168	88.9	76.5	163.6
6"X4"	168	114.3	76.5	163.6

Reducing Female Elbow



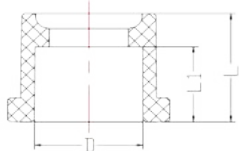
Size	D	D1	L 1	L2	L3	L
3/4"X1/2"	21.34	26.67	22.7	25.9	36.6	39.9
1"X1/2"	21.34	33.40	22.7	29.1	41.6	43.1
1"X3/4"	26.67	33.40	25.9	29.1	45.5	46.0

UPVC Pressure Pipes & Fittings (ASTM SCH80)

UPVC Pressure Pipes & Fittings (ASTM SCH80)

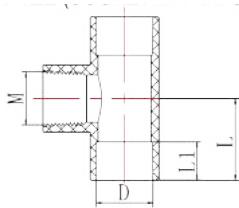


Reducer Bushing



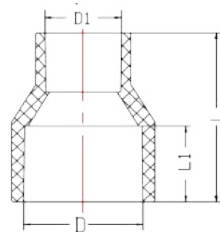
Size	D	L1	L
3/4"X1/2"	21.34	23	34
1"X1/2"	21.34	23	33.5
1"X3/4"	26.67	26	37
1-1/4"X1/2"	21.34	23	40.5
1-1/4"X3/4"	26.67	26	40.5
1-1/4"X1"	33.40	30	40
1-1/2"X1/2"	21.34	23	41
1-1/2"X3/4"	26.67	26	41
1-1/2"X1"	33.40	29	41
1-1/2"X1-1/4"	42.16	33	43
2"X1/2"	21.34	23	45
2"X3/4"	26.67	26	45
2"X1"	33.40	29	45
2"X1-1/4"	42.16	32	46
2"X1-1/2"	48.26	36	46
2-1/2"X2"	60.32	39	53
3"X1-1/2"	48.26	35	55.5
3"X2"	60.32	38	55.5
3"X2-1/2"	73.02	46	61
4"X2"	60.32	38	66
4"X3"	88.9	49	66
5"X4"	141	66.7	75.5
6"X3"	168	76.5	85.3
6"X4"	168	76.5	85.3
6"X5"	168	76.5	85.3

Female Tee



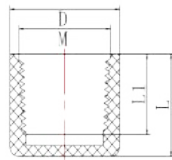
Size	D	L	L1	M
1/2"	21.34	36.5	24	1/2"
3/4"	26.67	42	27	3/4"
1"	33.4	48	30	1"

Reducing Coupling



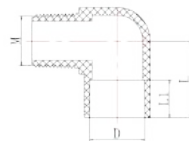
Size	D	D1	L1	L
3/4"X1/2"	26.67	21.34	27	60
1"X1/2"	33.4	21.34	30	63
1"X3/4"	33.4	26.67	30	67.3
1-1/4"X1/2"	42.16	21.34	32	64.2
1-1/4"X3/4"	42.16	26.67	33	75
1-1/4"X1"	42.16	33.40	33	69
1-1/2"X1/2"	48.26	21.34	35	68.2
1-1/2"X3/4"	48.26	26.67	35	71.8
1-1/2"X1"	48.26	33.40	36	77
1-1/2"X1-1/4"	48.26	42.16	36	83.5
2"X1/2"	60.3	21.34	39	77.8
2"X3/4"	60.3	26.67	39	81.3
2"X1"	60.3	33.40	39	84.6
2"X1-1/4"	60.3	42.16	39	89
2"X1-1/2"	60.3	48.26	39	94
2-1/2"X1-1/2"	73.02	48.26	46	99
2-1/2"X2"	73.02	60.32	46	102
3"X2"	88.9	60.32	49	106.5
3"X2-1/2"	88.9	73.02	49	115.5
4"X2-1/2"	114.3	73.02	59	124.5
4"X3"	114.3	88.90	59	130
6"X4"	168.28	114.30	76.8	165

Female Cap



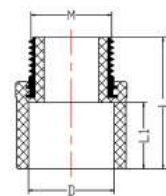
Size	D	L	L1	M
1/2"	29.7	30.5	24	1/2"
3/4"	35.4	33.5	27	3/4"
1"	43.2	37	30	1"

Male Elbow



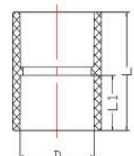
Size	D	L	L1	M
1/2"	21.34	36.4	24	1/2"
3/4"	26.67	42.7	27	3/4"
1"	33.4	49.1	30	1"

Male Adapter



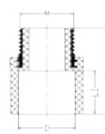
Size	D	L	L1	M
1/2"	21.34	43.5	24	1/2"
3/4"	26.67	53	27	3/4"
1"	33.4	58.5	30	1"
1-1/4"	42.16	64	33	1-1/4"
1-1/2"	48.26	69	36	1-1/2"
2"	60.32	75.5	39	2"
2-1/2"	73.02	93.5	46	2-1/2"
3"	88.9	99.5	49	3"
4"	114.3	113.5	59	4"

Female Adapter



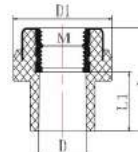
Size	D	L	L1	M
1/2"	21.34	50.5	24	1/2"
3/4"	26.67	56.5	27	3/4"
1"	33.4	62.5	30	1"
1-1/4"	42.16	68.5	33	1-1/4"
1-1/2"	48.26	74.5	36	1-1/2"
2"	60.32	80.5	39	2"
2-1/2"	73.02	97	46	2-1/2"
3"	88.9	103	49	3"
4"	114.3	123	59	4"

Male Adapter (Brass)



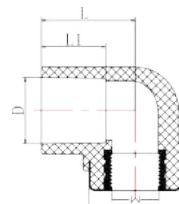
Size	D	L	L1	M
1/2"	21.34	45	24	1/2"
3/4"X1/2"	26.67	46	27	1/2"
3/4"	26.67	51	25.9	3/4"
1"	33.4	53	30	1"
1"X1/2"	33.4	55.5	30	1/2"
1-1/4"	42.16	62	33	1-1/4"
1-1/2"	48.26	66	36	1-1/2"
2"	60.32	74	39	2"

Female Adapter (Brass)



Size	D	L1	L	D1	M
1/2"X1/2"	21.34	19	24	45	1/2"
1/2"X3/4"	21.34	19	24	45	3/4"
3/4"X3/4"	26.67	21	27	45	3/4"
3/4"X1/2"	26.67	21	27	45	1/2"
1"X1/2"	33.4	29.1	49.2	46	1/2"
1"X1"	33.4	26	30	49.5	1"
1"X3/4"	33.4	26	30	49.5	3/4"
1-1/4"X1-1/4"	42.16	32.8	58.8	64.7	1-1/4"
1-1/2"X1-1/2"	48.26	36	64.4	71.75	1-1/2"
2"	60.32	39.1	70.6	83.8	2"

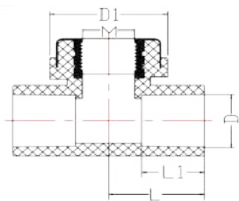
Female Elbow (Brass)



Size	D	L1	L	D1	M
1/2"X1/2"	21.34	24	29	42.5	1/2"
1/2"X3/4"	21.34	24	29	42.5	3/4"
3/4"X3/4"	26.67	27	31	42.5	3/4"
3/4"X1/2"	26.67	27	31	42.5	1/2"
1"X1/2"	33.4	29.1	48.08	43	1/2"
1"X3/4"	33.4	29.1	48.08	43	3/4"
1"X1"	33.4	29.1	48.08	48.05	1"

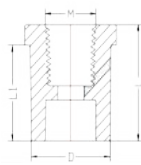


FEMALE TEE (BRASS)



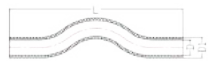
Size	D	D1	L 1	L	M
1/2"X1/2"	21.34	42.5	24	34	1/2"
1/2"X3/4"	21.34	42.5	24	34	3/4"
3/4"X3/4"	26.67	42.5	27	37	3/4"
3/4"X1/2"	26.67	42.5	27	37	1/2"
1"X1/2"	33.4	43	28.6	46.1	1/2"
1"X3/4"	33.4	43	28.6	46.1	3/4"

Female Reducer Bushing



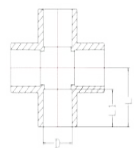
Size	D	L	L 1	M
1/2"X1/4"	21.34	28.5	23.5	1/4"
1/2"X3/8"	21.34	28.5	23.5	3/8"
3/4"X1/2"	26.67	33.2	27.2	1/2"
1"X3/4"	33.40	36.1	30.1	3/4"

Running Trap



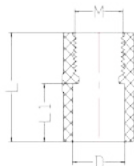
Size	D	D1	L
1/2"	21.34	28.8	240
3/4"	26.67	34.5	250
1"	33.40	42.5	260

Cross



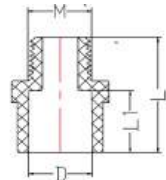
Size	D	L1	L
1/2"	21.34	22.3	35
3/4"	26.67	25.5	39.8
1"	33.40	28.6	46.1

Female Adapter



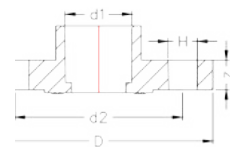
Size	D	L	L 1	M
1/2"	21.34	22.8	42.8	1/2"
3/4"	26.67	25.9	47.9	3/4"
1"	33.40	29.1	55.5	1"
1-1/4"	42.16	32.8	60.3	1-1/4"
1-1/2"	48.26	36.0	65.0	1-1/2"
2"	60.32	39.1	71.7	2"

Male Adapter (Hex)



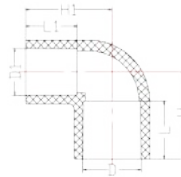
Size	D	L1	L	M
1/2"	21.34	22.8	42.5	1/2"
3/4"X1/2"	26.67	25.9	45.8	1/2"
3/4"	26.67	25.9	47.8	3/4"
1"	33.40	29.1	55.3	1"
1-1/4"	42.16	32.8	60.7	1-1/4"
1-1/2"	48.26	36.0	65.1	1-1/2"
2"	60.32	39.1	71.7	2"

One Piece Flange



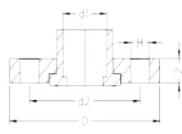
Size	D	d1	d2	H	Z
1"	115	33.4	79.5	14X4	15
1-1/4"	140	42.16	89.0	18X4	16
1-1/2"	150	48.26	98.5	18X4	17
2"	160	60.32	120.5	18X4	18

Reducing Elbow



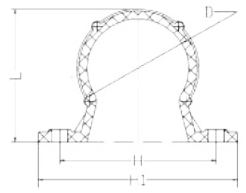
Size	D	D1	H1	H
3/4"X1/2"	26.67	21.34	40	40
1"X1/2"	33.4	21.34	42.5	42.5
1"X3/4"	33.4	26.67	45.5	45.5

Van Stone Flange



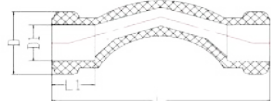
Size	D	d1	d2	H	Z
1"	108	33.40	79.5	15X4	14
1-1/4"	118	42.16	89.0	15X4	16
1-1/2"	127	48.26	98.5	15X4	18
2"	152	60.32	120.5	19X4	19
2-1/2"	178	73.02	139.5	19X4	24
3"	190	88.90	152.5	19X4	24
4"	229	114.30	190.5	19X8	24
6"	279	168.28	241.5	23X8	25

Clip



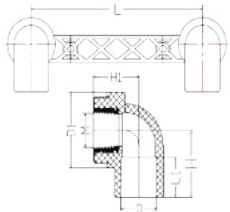
Size	D	H	H1	L
1/2"	21.34	37.9	52.3	29.6
3/4"	26.67	42.8	57.0	35.8
1"	33.4	51.5	65.2	45.0
1-1/4"	42.16	59.7	74.2	53.6
1-1/2"	48.26	64.9	90.5	66.5
2"	60.32	75.6	100.6	83.8

Over Bend (Short)



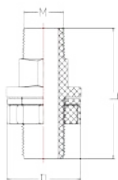
Size	D	D1	L1	L
1/2"	36.34	21.23	22.5	114
3/4"	34.67	26.57	25.4	140.8
1"	43.4	33.28	30.02	174.95

Double Female Elbow (Brass)



Size	D	D1	L 1	H	H1	L	M
1/2"	21.34	42	22.5	37.5	27.8	149.5	1/2"
3/4"X1/2"	26.67	42	22.5	39.5	29.5	149.5	1/2"

Female Elbow

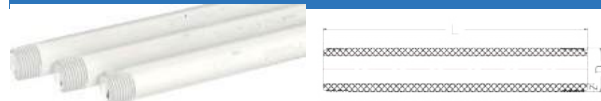


Size	D	L	M
1/2"	41	69	1/2"
3/4"	46	76	3/4"
1"	56.5	88	1"
1-1/4"	65.5	94	1-1/4"
1-1/2"	71	102.5	1-1/2"
2"	83	103.5	2"



UPVC Threaded Pipes & Fittings (BSP Thread)

PVC-U Thread Pipe



Size	D	Z	L
1/2"	2 1.34	2.77	4
3/4"	26.67	2.87	4
1"	33.40	3.38	4
1-1/4"	42.16	3.56	4
1-1/2"	48.26	3.68	4
2"	60.32	4.2	4
2-1/2"	73.02	5.16	4
3"	88.90	5.49/ 5.7	4
4"	114.3	6.02/ 7.3	4

Reduction Bushing



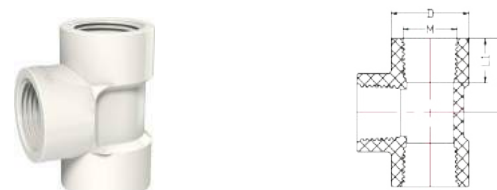
Size	Z	L	M	M1
3/4"X1/2"	8	26	3/4"	1/2"
1"X1/2"	8	30	1"	1/2"
1"X3/4"	8	30	1"	3/4"
1-1/4"X3/4"	9	36	1-1/4"	3/4"
1-1/4"X1"	9	36	1-1/4"	1"
1-1/2"X1/2"	10	36	1-1/2"	1/2"
1-1/2"X3/4"	10	36	1-1/2"	3/4"
1-1/2"X1"	10	37	1-1/2"	1"
1-1/2"X1-1/4"	10	37	1-1/2"	1-1/4"
2"X1"	11	43	2"	1"
2"X1-1/4"	11	43	2"	1-1/4"
2"X1-1/2"	11	43	2"	1-1/2"
2-1/2"X1-1/4"	12	44	2-1/2"	1-1/4"
2-1/2"X1-1/2"	12	44	2-1/2"	1-1/2"
2-1/2"X2"	12	44	2-1/2"	2"
3"X1-1/2"	13	49	3"	1-1/2"
3"X2"	13	49	3"	2"
3"X2-1/2"	13	49	3"	2-1/2"
4"X2-1/2"	14	54	4"	2-1/2"
4"X3"	14	54	4"	3"

Nipple



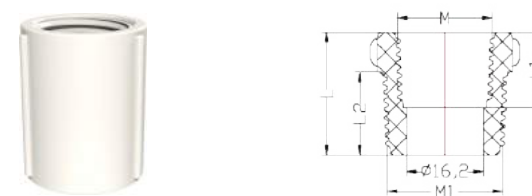
Size	M	L	Z
1/2"	1/2"	42	8
3/4"	3/4"	44	8
1"	1"	50	8
1-1/4"	1-1/4"	56	9
1-1/2"	1-1/2"	58	9
2"	2"	65	9
2-1/2"	2-1/2"	78	10
3"	3"	84	10
4"	4"	90	10

Tee



Size	L	H	Z	M
1/2"	84	42	8	1/2"
3/4"	88	44	8	3/4"
1"	100	50	8	1"
1-1/4"	112	56	9	1-1/4"
1-1/2"	116	58	9	1-1/2"
2"	130	65	9	2"
2-1/2"	158	78	10	2-1/2"
3"	168	84	10	3"
4"	180	90	10	4"

Socket



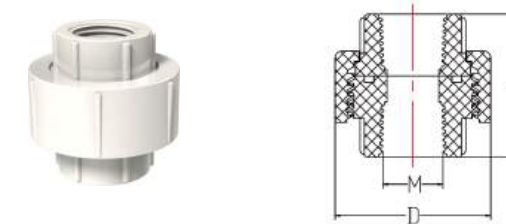
Size	L	Z	M
1/2"	37	3	1/2"
3/4"	40	3	3/4"
1"	47	3	1"
1-1/4"	51.5	3.5	1-1/4"
1-1/2"	53.5	3.5	1-1/2"
2"	59.5	3.5	2"
2-1/2"	72	4	2-1/2"
3"	78	4	3"
4"	84	4	4"

Elbow



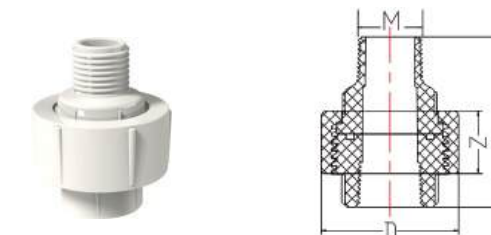
Size	L	Z	M
1/2"	28	17	1/2"
3/4"	32	19	3/4"
1"	38	22	1"
1-1/4"	46	26.5	1-1/4"
1-1/2"	50	26.5	1-1/2"
2"	61	31.5	2"
2-1/2"	74.5	32	2-1/2"
3"	85	36	3"
4"	99.5	40	4"

Unoin



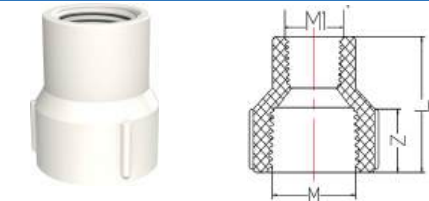
Size	L	Z	M
1/2"	44	48	1/2"
3/4"	50	55	3/4"
1"	61	64	1"
1-1/4"	72	78	1-1/4"
1-1/2"	81	88	1-1/2"
2"	93	102	2"
2-1/2"	101	136	2-1/2"
3"	114	152	3"
4"	144	182	4"

Male Unoin



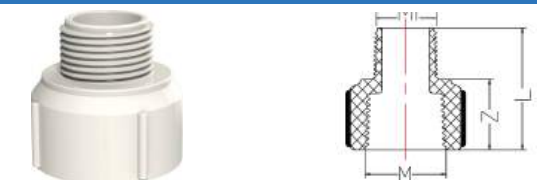
Size	D	L	Z	M
1/2"	55	63	25	1/2"
3/4"	64	78	26	3/4"
1"	64	78	26	1"
1-1/4"	78	83	26	1-1/4"
1-1/2"	186	88	29	1-1/2"
2"	102	94	31	2"
2-1/2"	136	109	43	2-1/2"

Reducing Socket



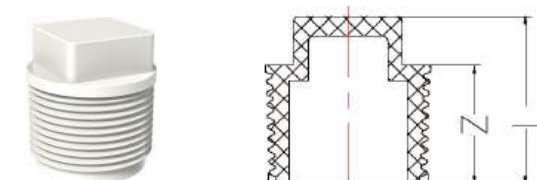
Size	L	Z	M	M1
3/4"X1/2"	40	19	3/4"	1/2"
1"X1/2"	45	22	1"	1/2"
1"X3/4"	45	22	1"	3/4"

Adaptor



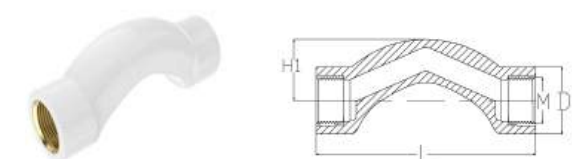
Size	L	Z	M	M1
3/4"X1/2"	39	22.5	3/4"	1/2"
1"X1/2"	42	25.5	1"	1/2"
1"X3/4"	42	25.5	1"	3/4"

Plug



Size	L	Z	M
1/2"	27	17	1/2"
3/4"	30	19	3/4"
1"	35	22	1"
1-1/4"	38.5	26.5	1-1/4"
1-1/2"	39.5	26.5	1-1/2"
2"	46.5	31.5	2"

Over Bend (Brass)





Union With Elbow



Size	L	L1	Z	M
1/2"	32	47	19	1/2"
3/4"	38	55	22	3/4"
1"	38	55	22	1"

Male Union With Elbow



Size	L	L1	Z	M
1/2"	32	38	19	1/2"
3/4"	38	65	22	3/4"
1"	38	55	22	1"

TEE



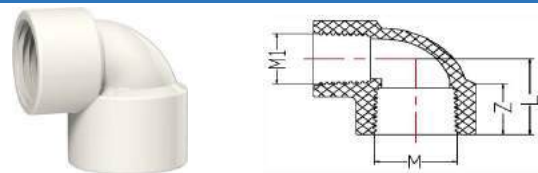
Size	L	H	Z	M	M1
3/4"X1/2"	58	29	19	3/4"	1/2"
1"X1/2"	66	33	22	1"	1/2"
1"X3/4"	72	36	22	1"	3/4"

Elbow With Plate



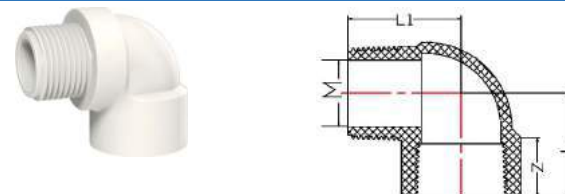
Size	L	Z	M
1/2"	28	19	1/2"

Reducing Elbow



Size	L	Z	M	M1
3/4"X1/2"	31.0	19	3/4"	1/2"
1"X3/4"	35.4	22	1"	3/4"
1-1/4"x1"	41.9	26.4	1-1/4"	1"

Male Elbow



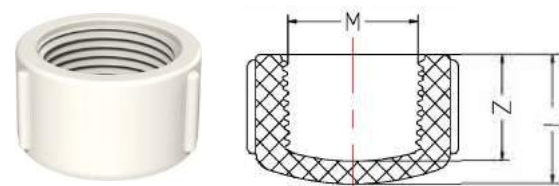
Size	L	Z	L1	M
1/2"	28	17	35	1/2"
3/4"	32	19	37	3/4"
1"	38	22	43	1"
1-1/4"	46	26.5	51	1-1/4"
1-1/2"	50	26.5	56	1-1/2"
2"	61	31.5	66	2"
2-1/2"	74.5	32	80	2-1/2"

Backnut



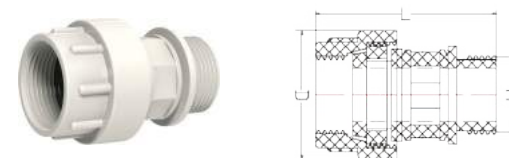
Size	Z	L	D	M
20X1/2"	21	60	64	1/2"
25X3/4"	21	62	70	3/4"
32X1"	21	64	80	1"
40X1-1/4"	26	68	86	1-1/4"
50X1-1/2"	29	73	94	1-1/2"
63X2"	35	79	103	2"
40X1-1/4"	26	68	86	1-1/4"
50X1-1/2"	29	73	94	1-1/2"
63X2"	35	79	103	2"

Cap



Size	Z	L	M
1/2"	22	17	1/2"
3/4"	24	19	3/4"
1"	27	22	1"
1-1/4"	32	26.5	1-1/4"
1-1/2"	33	26.5	1-1/2"
2"	38	31.5	2"
2-1/2"	40	45	2-1/2"
3"	45	50	3"

Female & Male Adaptor



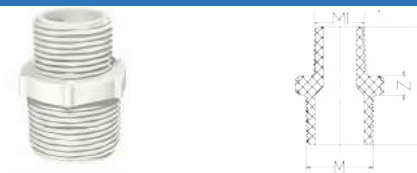
Size	D	L	M
1"	52.8	74.2	1"

Clamp



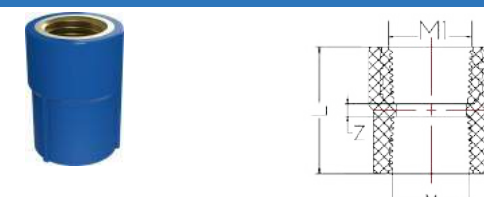
Size	D
1/2"	1/2"
3/4"	3/4"

Reducing Nipple



Size	Z	L	M	M1
3/4"X1/2"	8	44	3/4"	1/2"
1"X1/2"	8	47	1"	1/2"
1"X3/4"	8	49	1"	3/4"

Socket (Brass)



Size	D	L	H	H1
1/2"X1/2"	3	38	1/2"	1/2"
3/4"X1/2"	5	42	3/4"	1/2"

Tee (Brass)



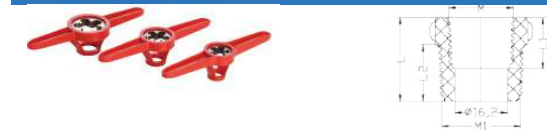
Size	D	L	H	H1
1/2"X1/2"	3	38	1/2"	1/2"
3/4"X1/2"	5	42	3/4"	1/2"

Elbow (Brass)



Size	Z	L	H	H1
1/2"X1/2"	17	28	1/2"	1/2"
3/4"X3/4"	19	32	3/4"	3/4"
3/4"X1/2"	32	38	1/2"	1/2"

Screw Tool



Size	D
1/2"	1/2"
3/4"	3/4"
1"	1"

Screw Tool Kit



Size	D
20-32	
20-63	

Stop Valve(Thread)



Size	L	H	M
3/4"	73.2	105.5	3/4"

Stop Valve(Socket)



Size	L	H	M
25	71	105.5	25



CPVC Presssure Pipes & Fittings (ASTM SCH80)

CPVC SCH80 Pipe



Size	D	Z		L
		PN1.6	PN2.5	
1/2"	21.3	2.0	2.3	4
3/4"	26.6	2.0	2.8	4
1"	33.4	2.4	3.6	4
1-1/4"	42.2	3.0	4.5	4
1-1/2"	48.3	3.7	5.6	4
2"	60.3	4.7	7.1	4
2-1/2"	73.0	5.6	8.4	4
3"	88.9	6.7	10.1	4
4"	114.3	6.6	10.0	4
5"	141.3	7.4	11.4	4
6"	168.28	8.3	12.7	4
8"	219.08	9.5	14.6	4

90 Deg Elbow



Size	D	L	L 1
1/2"	21.34	50.2	24
3/4"	26.67	56.5	27
1"	33.4	62.5	30
1-1/4"	42.16	68.5	33
1-1/2"	48.26	74.5	36
2"	60.32	80.5	39
2-1/2"	73.02	97.0	46
3"	88.9	103.0	49
4"	114.3	123.0	59
5"	141.0	143.5	67
6"	168.0	163.6	76.8

Union



Size	D	L1	L
1/2"	21.34	24	34
3/4"	26.67	27	37
1"	33.4	30	40
1-1/4"	42.16	33	43
1-1/2"	48.26	36	46
2"	60.32	39	53

Coupling



Size	D	L	L 1
1/2"	21.34	50.2	24
3/4"	26.67	56.5	27
1"	33.4	62.5	30
1-1/4"	42.16	68.5	33
1-1/2"	48.26	74.5	36
2"	60.32	80.5	39
2-1/2"	73.02	97.0	46
3"	88.9	103.0	49
4"	114.3	123.0	59
5"	141.0	139.3	67
6"	168.0	159.6	76.8

45 Deg Elbow



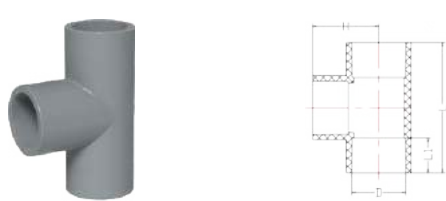
Size	D	L	L 1
1/2"	21.34	30.5	24
3/4"	26.67	34.5	27
1"	33.4	39.5	30
1-1/4"	42.16	45.0	33
1-1/2"	48.26	49.0	36
2"	60.32	54.5	39
2-1/2"	73.02	66	46
3"	88.9	72	49
4"	114.3	88	59
5"	141.0	102	67
6"	168.0	115.7	76.8

Female Elbow



Size	D	L1	L	M
1/2"	21.34	24	36.4	1/2"
3/4"	26.67	27	42.7	3/4"
1"	33.4	30	49.1	1"
1-1/4"	42.16	32	55.62	1-1/4"
1-1/2"	48.26	35	61.81	1-1/2"
2"	60.32	39	72	2"

Tee



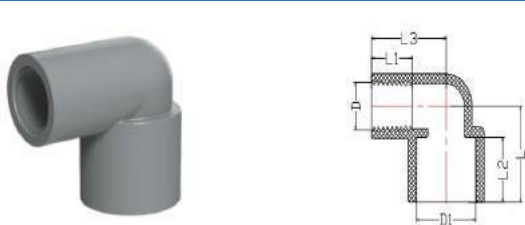
Size	D	L	L 1	H
1/2"	21.34	73	24	36.5
3/4"	26.67	85	27	42.5
1"	33.4	99	30	49.5
1-1/4"	42.16	112	33	56
1-1/2"	48.26	126	36	63
2"	60.32	147	39	73.5
2-1/2"	73.02	173	46	86.5
3"	88.9	200	49	100
4"	114.3	248	59	124
5"	141.0	287	67	143.5
6"	168.0	327	76.8	163.6

Cap



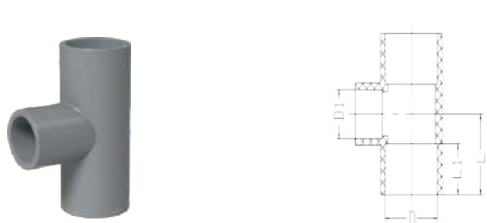
Size	D	L	L 1
1/2"	21.34	34	24
3/4"	26.67	37	27
1"	33.4	40	30
1-1/4"	42.16	43	33
1-1/2"	48.26	46	36
2"	60.32	53	39
2-1/2"	73.02	61	46
3"	88.9	66	49
4"	114.3	67.5	59
6"	168.0	76.8	93.8

Reducing Female Elbow



Size	D	D1	L 1	L2	L3	L
3/4"X1/2"	21.34	26.67	22.7	25.9	36.6	39.9
1"X1/2"	21.34	33.40	22.7	29.1	41.6	43.1
1"X3/4"	26.67	33.40	25.9	29.1	45.5	46.0

Reducing Tee



Size	D	D1	L 1	L
1/2"X3/4"	21.34	26.67	22.3	37.3
3/4"X1/2"	26.67	21.34	27	39.5
1"X1/2"	33.4	21.34	30	42.5
1"X3/4"	33.4	26.67	30	45.5
1-1/4"X1/2"	42.16	21.34	32	44.9
1-1/4"X3/4"	42.16	26.67	33	48.5
1-1/4"X1"	42.16	33.40	33	51.5
1-1/2"X1/2"	48.26	21.34	36	49.5
1-1/2"X3/4"	48.26	26.67	36	53.5
1-1/2"X1"	48.26	33.4	36	56
1-1/2"X1-1/4"	48.26	42.16	36	61
2"X1/2"	60.3	21.34	39	53.5
2"X3/4"	60.3	26.67	39	46.5
2"X1"	60.3	33.40	39	62.0
2"X1-1/4"	60.3	42.16	39	64
2"X1-1/2"	60.3	48.26	39	64
2-1/2"X1-1/2"	73.02	48.26	46	74
2-1/2"X2"	73.02	60.32	46	80
3"X2"	88.9	60.32	49	83
3"X2-1/2"	88.9	73.02	49	89.5
4"X2"	114.3	60.32	58	90.5
4"X2-1/2"	114.3	73.02	59	99.5
4"X3"	114.3	88.9	59	107.5
6"X3"	168	88.9	76.5	163.6
6"X4"	168	114.3	76.5	163.6

CPVC Presssure Pipes & Fittings (ASTM SCH80)

CPVC Presssure Pipes & Fittings (ASTM SCH80)

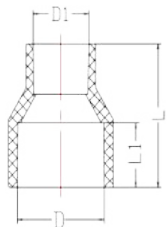


Reducer Bushing



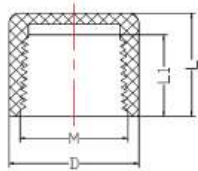
Size	D	L1	L
3/4"X1/2"	21.34	23	34
1"X1/2"	21.34	23	33.5
1"X3/4"	26.67	26	37
1-1/4"X1/2"	21.34	23	40.5
1-1/4"X3/4"	26.67	26	40.5
1-1/4"X1"	33.40	30	40
1-1/2"X1/2"	21.34	23	41
1-1/2"X3/4"	26.67	26	41
1-1/2"X1"	33.40	29	41
1-1/2"X1-1/4"	42.16	33	43
2"X1/2"	21.34	23	45
2"X3/4"	26.67	26	45
2"X1"	33.40	29	45
2"X1-1/2"	48.26	36	46
2-1/2"X2"	60.32	39	53
3"X1-1/2"	48.26	35	55.5
3"X2"	60.32	38	55.5
3"X2-1/2"	73.02	46	61
4"X2"	60.32	38	66
4"X3"	88.9	49	66
5"X4"	141	66.7	75.5
6"X3"	168	76.5	85.3
6"X4"	168	76.5	85.3
6"X5"	168	76.5	85.3

Reducing Coupling



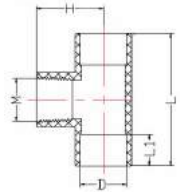
Size	D	D1	L1	L
1/2"X3/4"	21.34	26.67	22.3	37.3
3/4"X1/2"	26.67	21.34	27	39.5
1"X1/2"	33.4	21.34	30	42.5
1"X3/4"	21.34	21.34	30	45.5
1-1/4"X1/2"	42.16	26.67	32	44.9
1-1/4"X3/4"	42.16	33.4	33	48.5
1-1/4"X1"	42.16	33.4	33	51.5
1-1/2"X1/2"	48.26	21.34	36	49.5
1-1/2"X3/4"	48.26	26.67	36	53.5
1-1/2"X1"	48.26	33.4	36	56
1-1/2"X1-1/4"	48.26	42.16	36	61
2"X1/2"	60.3	21.34	39	53.5
2"X3/4"	60.3	26.67	39	46.5
2"X1"	60.3	33.4	39	62
2"X1-1/4"	60.3	42.16	39	64
2X1-1/2"	60.3	48.26	39	64
2-1/2"X1-1/2"	73.02	48.26	46	74
2-1/2"X2"	73.02	60.32	46	80
3"X2"	88.9	60.32	49	83
3"X2-1/2"	88.9	73.02	49	89.5
4"X2"	114.30	60.32	58	90.5
4"X2-1/2"	114.30	114.30	59	99.5
4"X3"	114.30	88.9	59	107.5
6"X3"	168	88.9	76.5	163.6
6"X4"	168	114.30	76.5	163.6

Female Cap



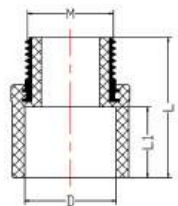
Size	D	L	L1	M
1/2"	29.7	30.5	24	1/2"
3/4"	35.4	33.5	27	3/4"
1"	43.2	37	30	1"

Female Tee



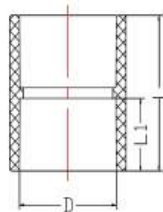
Size	D	L	L1
1/2"	21.34	73	24
3/4"	26.67	84	27
1"	33.4	96	30

Male Adapter



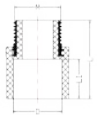
Size	D	L	L1	M
1/2"	21.34	43.5	24	1/2"
3/4"	26.67	53	27	3/4"
1"	33.4	58.5	30	1"
1-1/4"	42.16	64	33	1-1/4"
1-1/2"	48.26	69	36	1-1/2"
2"	60.32	75.5	39	2"
2-1/2"	73.02	93.5	46	2-1/2"
3"	88.9	99.5	49	3"
4"	114.3	113.5	59	4"

Female Adapter



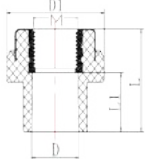
Size	D	L	L1	M
1/2"	21.34	50.5	24	1/2"
3/4"	26.67	56.5	27	3/4"
1"	33.4	62.5	30	1"
1-1/4"	42.16	68.5	33	1-1/4"
1-1/2"	48.26	74.5	36	1-1/2"
2"	60.32	80.5	39	2"
2-1/2"	73.02	97	46	2-1/2"
3"	88.9	103	49	3"
4"	114.3	123	59	4"

Male Adapter (Brass)



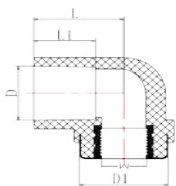
Size	D	L	L1	M
1/2"	21.34	45	24	1/2"
3/4"X1/2"	26.67	46	26	1/2"
3/4"	26.67	51	27	3/4"
1"	33.4	53	30	1"
1"X1/2"	33.4	30	55.5	1/2"
1-1/4"	42.16	62	33	1-1/4"
1-1/2"	48.26	66	36	1-1/2"
2"	60.32	74	39	2"

Female Adapter (Brass)



Size	D	L1	L	D1	M
1/2"X1/2"	21.34	19	24	45	1/2"
1/2"X3/4"	21.34	19	24	45	3/4"
3/4"X3/4"	26.67	21	27	45	3/4"
3/4"X1/2"	26.67	21	27	45	1/2"
1"X1/2"	33.4	29.1	49.2	46	1/2"
1"X1"	33.4	26	30	49.5	1"
1"X3/4"	33.4	26	30	49.5	3/4"
1-1/4"X1-1/4"	42.16	32.8	58.8	64.7	1-1/4"
1-1/2"X1-1/2"	48.26	36	64.4	71.75	1-1/2"
2"	60.32	39.1	70.6	83.8	2"

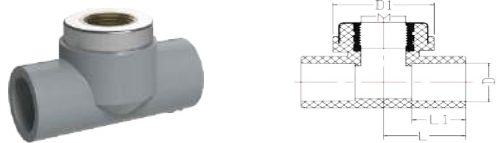
Female Elbow (Brass)



Size	D	L1	L	D1	M
1/2"X1/2"	21.34	24	29	42.5	1/2"
1/2"X3/4"	21.34	24	29	42.5	3/4"
3/4"X3/4"	26.67	27	31	42.5	3/4"
3/4"X1/2"	26.67	27	31	42.5	1/2"
1"X1/2"	33.4	29.1	48.08	43	1/2"
1"X3/4"	33.4	29.1	48.08	43	3/4"
1"X1"	33.4	29.1	48.08	48.05	1"

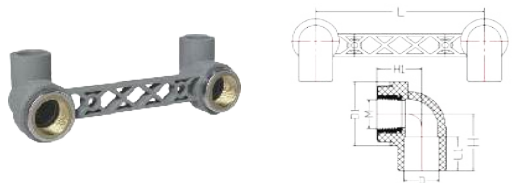


Female Tee (Brass)



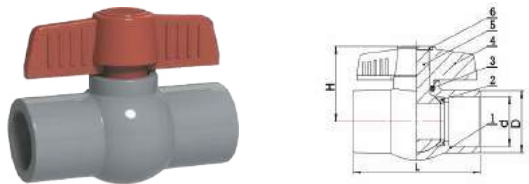
Size	D	D1	L 1	L	M
1/2"X1/2"	21.34	42.5	24	34	1/2"
1/2"X3/4"	21.34	42.5	24	34	3/4"
3/4"X3/4"	26.67	42.5	27	37	3/4"
3/4"X1/2"	26.67	42.5	27	37	1/2"
1"X1/2"	33.4	43	28.6	46.1	1/2"
1"X3/4"	33.4	43	28.6	46.1	3/4"

Double Female Elbow (brass)



Size	D	D1	L 1	H	H1	L	M
1/2"	21.34	42	22.5	37.5	27.8	149.5	1/2"
3/4"X1/2"	26.67	42	22.5	39.5	29.5	149.5	1/2"

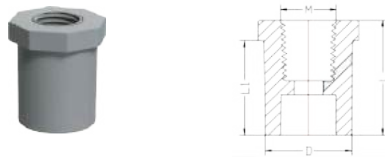
CPVC Ball Valve (Socket)



NO.	Part	Material	QTY
1	Body	CPVC	1
2	Seat Seal	TPE/TPR	2
3	O-Ring	NBR/EPDM	1
4	Handle	ABS	1
5	Ball	CPVC	1
6	Cap	ABS	1

Size	D	L	H	D
15(1/2")	21.34	74	43.0	30.0
20(3/4")	26.67	84	50.6	34.5
25(1")	33.40	98.4	56.8	42.5
32(1-1/4")	42.16	110	63.5	52.0
40(1-1/2")	48.26	127	70.8	61.8
50(2")	60.33	148	81.5	75.2

Female Reducer Bushing



Size	D	L	L 1	M
1/2"X1/4"	21.34	28.5	23.5	1/4"
1/2"X3/8"	21.34	28.5	23.5	3/8"
3/4"X1/2"	26.67	33.2	27.2	1/2"

Running Trap



Size	D	D1	L
1/2"	21.34	28.8	240
3/4"	26.67	34.5	250
1"	33.40	42.5	260

Cross



Size	D	L1	L
1/2"	21.34	22.3	35
3/4"	26.67	25.5	39.8
1"	33.40	28.6	46.1

TANK CONNECTOR



Size	D	L	M
1/2"	41	69	1/2"
3/4"	46	76	3/4"
1"	56.5	88	1"
1-1/4"	65.5	94	1-1/4"
1-1/2"	71	102.5	1-1/2"
2"	83	103.5	2"

Female Adapter



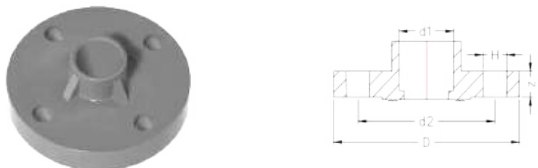
Size	D	L	L 1	M
1/2"	21.34	22.8	42.8	1/2"
3/4"	26.67	25.9	47.9	3/4"
1"	33.40	29.1	55.5	1"
1-1/4"	42.16	32.8	60.3	1-1/4"
1-1/2"	48.26	36.0	65.0	1-1/2"
2"	60.32	39.1	71.7	2"

Male Adapter



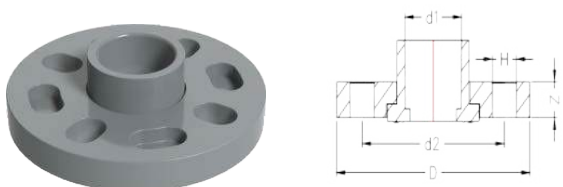
Size	D	L1	L	M
1/2"	21.34	22.8	42.5	1/2"
3/4"X1/2"	26.67	25.9	45.8	1/2"
3/4"	26.67	25.9	47.8	3/4"
1"	33.40	29.1	55.3	1"
1-1/4"	42.16	32.8	60.7	1-1/4"
1-1/2"	48.26	36.0	65.1	1-1/2"
2"	60.32	39.1	71.7	2"

One Piece Flange



Size	D	d1	d2	H	Z
1"	115	33.4	79.5	14X4	15
1-1/4"	140	42.16	89	18X4	16
1-1/2"	150	48.26	98.5	18X4	17
2"	165	60.32	120.5	18X4	18

VAN STONE FLANGE



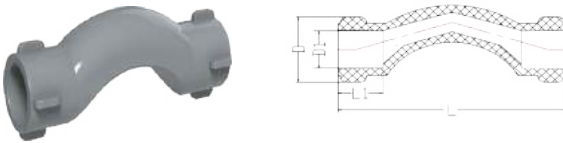
Size	D	d1	d2	H	Z
1"	108	33.40	79.5	15X4	14
1-1/4"	118	42.16	89.0	15X4	16
1-1/2"	127	48.26	98.5	15X4	18
2"	152	60.32	120.5	19X4	19
2-1/2"	178	73.02	139.5	19X4	24
3"	190	88.90	152.5	19X4	24
4"	229	114.30	190.5	19X8	24
6"	279	168.28	241.5	23X8	25

Clip



Size	D	H	H1	L
1/2"	21.3	37.9	52.3	29.6
3/4"	26.7	42.8	57.0	35.8
1"	33.4	51.5	65.2	45.0
1-1/4"	42.16	59.7	74.2	53.6
1-1/2"	48.3	64.9	90.5	66.5
2"	60.3	75.6	100.6	83.8

Over Bend (Short)



Size	D	D1	L1	L
1/2"	36.5	21.34	22.5	114
3/4"	34.89	26.57	25.4	140.8
1"	43.04	33.28	30.02	174.95



CPVC Water Supply Pipes & Fittings (ASTM D2846)

CPVC Pipe (ASTM 2846)



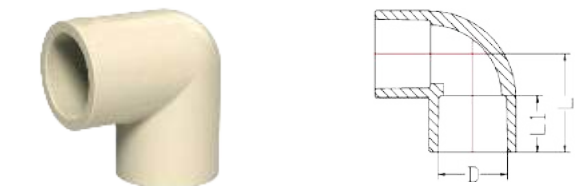
Size	D	Z		L
		SDR-11	SDR-13.5	
1/2"	15.9	1.73	1.51	3-5
3/4"	22.2	2.03	1.73	3-5
1"	28.6	2.6	2.03	3-5
1-1/4"	34.9	3.18	2.59	3-5
1-1/2"	41.3	3.76	3.06	3-5
2"	54	4.9	4	3-5

Coupling



Size	D	L	L1
1/2"	15.9	12.8	28.6
3/4"	22.2	17.9	39.0
1"	28.6	23.0	49.0
1-1/4"	34.9	28.1	59.2
1-1/2"	41.3	33.2	69.4
2"	60.32	43.4	90.0

90 Deg Elbow



Size	D	L1	L
1/2"	15.9	12.8	22.8
3/4"	22.2	17.9	33.1
1"	28.6	23.0	39.3
1-1/4"	34.9	28.1	47.5
1-1/2"	41.3	33.2	55.7
2"	54.0	43.3	72.4
3/4"x1/2"	22.2	17.9	27.0
1"x1/2"	28.6	12.8	32.8
1"x3/4"	28.6	17.9	36.0

Tee



Size	D	L1	L
1/2"	15.9	12.8	22.8
3/4"	22.2	17.9	31.1
1"	28.6	23.0	39.3
1-1/4"	34.9	28.1	47.5
1-1/2"	41.3	33.2	55.7
2"	54.0	43.3	72.4

45 Deg Elbow



Size	D	L	L1
1/2"	15.9	12.8	17.8
3/4"	22.2	17.9	24.2
1"	28.6	23.0	30.5
1-1/4"	34.9	28.1	37.0
1-1/2"	41.3	33.2	43.2
2"	54.0	43.3	56.3

Male Adapter



Size	D	L1	L	M
1/2"	15.9	12.8	36.0	1/2"
3/4"	22.2	17.9	41.5	3/4"
1"	28.6	23.0	50.2	1"
1-1/4"	34.9	28.1	56.0	1-1/4"
1-1/2"	41.3	33.2	61.0	1-1/2"
2"	54.0	43.3	73.5	2"
3/4"x1/2"	22.2	17.9	41.5	3/4"
1"x3/4"	28.6	23.0	46.2	3/4"

Male Adapter (Brass) A



Size	D	D1	L1	L	M
1/2"x1/2"	15.9	15.9	17.9	31.0	1/2"
3/4"x3/4"	22.2	22.2	23.0	38.5	3/4"
1"x1"	28.6	15.9	23.0	46.5	1"
3/4"x1/2"	22.2	15.9	23.0	36.5	3/4"

Female Adapter (Brass) A



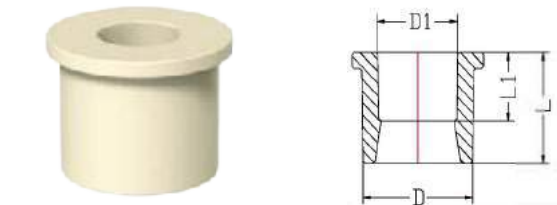
Size	D	L1	L	M
1/2"	15.9	12.8	34	1/2"
3/4"	22.2	17.9	40	3/4"
1"	28.6	23.0	49	1"
3/4"x1/2"	22.2	28.1	54	3/4"x1/2"

Reducing Coupling



Size	D	D1	L1	L
3/4"x1/2"	22.2	15.9	17.9	33.8
1"x1/2"	28.6	22.2	23.0	44.0
1"x3/4"	28.6	15.9	23.0	36.0
1-1/4"x1/2"	34.9	15.9	28.2	43.8
1-1/4"x3/4"	34.9	22.2	28.2	49
1-1/4"x1"	34.9	28.6	28.2	54.2
1-1/2"x1/2"	41.3	15.9	33.2	48.8
1-1/2"x3/4"	41.3	22.2	33.2	54
1-1/2"x1"	41.3	34.9	33.2	64.5
1-1/2"x1-1/4"	41.3	28.6	33.2	59.5
2"x1/2"	54	15.9	43.5	59.1
2"x3/4"	54	22.2	43.5	64.3
2"x1"	54	28.6	43.5	70.5
2"x1-1/4"	54	34.9	43.5	74.5
2"x1-1/2"	54	41.3	43.5	79.5

Reducer Bushing



Size	D	D1	L1	L
3/4"x1/2"	15.9	22.2	17.9	21.0
1"x1/2"	15.9	28.6	23.0	26.2
1"x3/4"	22.2	28.6	23.0	26.2
1-1/4"x1/2"	15.9	34.9	17.9	32.2
1-1/4"x3/4"	22.2	34.9	23.0	32.2
1-1/4"x1"	28.6	41.3	28.1	32.2
1-1/2"x1/2"	15.9	41.3	17.9	37.7
1-1/2"x3/4"	22.2	41.3	23.0	37.7
1-1/2"x1"	28.6	41.3	28.1	37.7
1-1/2"x1-1/4"	34.9	41.3	33.2	37.7
2"x1/2"	15.9	54	17.9	48.0
2"x3/4"	22.2	54	23.0	48.0
2"x1"	28.6	54	28.1	48.0
2"x1-1/4"	34.9	54	33.2	48.0
2"x1-1/2"	41.3	54	43.3	48.0

Female Adapter



Size	D	D1	L1	L	M
1/2"	15.9	27	12.8	34	1/2"
3/4"	22.2	32.5	17.9	40	3/4"
1"	28.6	39.1	23.0	49	1"
1-1/4"	34.9	49	28.1	54	1-1/4"
1-1/2"	41.3	55	33.2	61	1-1/2"
2"	54.0	70	43.3	73.5	2"

Male Plug



Size	D	L1	L2	L	M
1/2"	30	15.5	37	60.5	1/2"
3/4"	37.8	19	47.62	75.83	3/4"



CAP



Size	D	L	L1
1/2"	15.9	12.8	18
3/4"	22.2	17.9	24
1"	28.6	23.0	29
1-1/4"	34.9	28.1	35
1-1/2"	41.3	33.2	40
2"	54.0	43.3	53

Reducing Tee



Size	D	D1	L1	L
3/4"X1/2"	22.2	15.9	17.9	55.8
1"X1/2"	28.6	15.9	23.0	65.8
1"X3/4"	28.6	22.2	23.0	69
1-1/4"X1/2"	34.9	15.9	28.1	77.4
1-1/4"X3/4"	34.9	22.2	28.1	75.8
1-1/4"X1"	34.9	29.6	28.1	85
1-1/2"X1/2"	41.3	15.9	33.2	95
1-1/2"X3/4"	41.3	22.2	33.2	95
1-1/2"X1"	41.3	28.6	33.2	101
1-1/2"X1-1/4"	41.3	34.9	33.2	99
2"X1/2"	54	15.9	43.5	121
2"X3/4"	54	22.2	43.5	121
2"X1"	54	28.6	43.5	121
2"X1-1/4"	54	34.9	43.3	123.6
2"X1-1/2"	54	41.3	43.3	113.4

Male Tee (Brass)



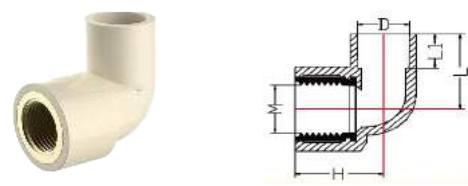
Size	D	L1	L	H	M
3/4"X1/2"	15.9	12.8	50	29.5	1/2"
1"X1/2"	22.2	17.9	68	32.7	1/2"
1"X3/4"	28.6	23.0	72	36.5	1/2"

MALE-FEMALE TANK ADAPTER



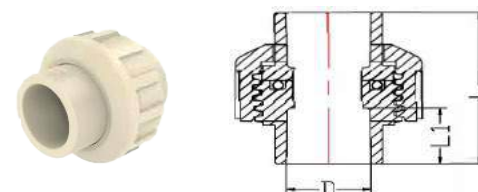
Size	D	L	H	M	M1
3/4"	45	26	66	3/4"	3/4"
1"	55	29	71	1"	1"

Female Elbow (Brass) A



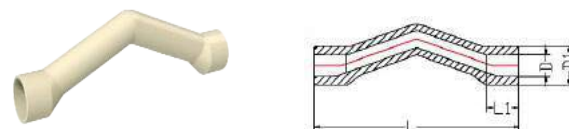
Size	D	L1	L	H	M
1/2"X1/2"	15.9	12.8	25	29.5	1/2"
3/4"X1/2"	22.2	17.9	34	32.7	1/2"
3/4"X3/4"	22.2	17.9	34	32.7	3/4"
1"X1/2"	28.6	23.0	36	36.5	1/2"
1"X3/4"	28.6	23.0	36	639.3	3/4"
1"X1"	28.6	23.0	44.3	41.0	1"
1-1/4"X1/2"	34.9	28.2	42.9	40.9	1/2"
1-1/4"X3/4"	34.9	28.2	42.9	40.9	3/4"
1-1/4"X1"	34.9	28.2	42.9	44.	1"

Union



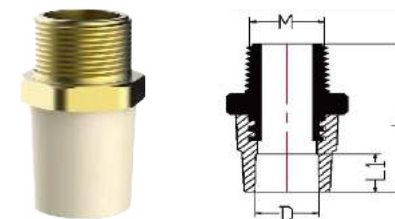
Size	D	L1	L
1/2"	15.9	12.8	35.5
3/4"	22.2	17.9	46.5
1"	28.6	23.0	59
1-1/4"	34.9	28.1	72
1-1/2"	41.3	33.2	80
2"	54.0	43.3	102

Over Bend



Size	D	D1	L	L1
1/2"	15.9	28.5	152	12.8
3/4"	22.2	32.5	193	17.9
1"	28.6	42.5	271	23.0
1-1/4"	34.9	42.5	260	28.2
1-1/2"	41.3	50	300	33.2
2"	54	64.6	320	43.5

Male Adapter (Brass) B



Size	D	L1	L	M
1/2"	15.9	12.8	50.5	1/2"
3/4"	22.2	17.9	55.0	3/4"
3/4"X1/2"	22.2	17.9	53.0	1/2"
1"	28.6	23.2	68.0	1"
1"X1/2"	28.6	23.2	58.7	1/2"
1"X3/4"	28.6	23.0	59.0	3/4"
1-1/4"	34.9	28.1	79.0	1-1/4"
1-1/4"X1"	34.9	28.1	72.0	1"
1-1/2"	41.3	33.2	85.0	1-1/2"
2"	54.0	43.3	100	2"

Female Adapter (Brass) B



Size	D	L1	L	M
1/2"	15.9	12.8	45	1/2"
3/4"	22.2	17.9	50	3/4"
3/4"X1/2"	22.2	17.9	40	1/2"
1"	28.6	23.2	66	1"
1"X1/2"	28.6	23.2	53	1/2"
1"X3/4"	28.6	23.0	54	3/4"
1-1/4"	34.9	28.1	78	1-1/4"
1-1/4"X1"	34.9	28.1	70	1"
1-1/2"	41.3	33.2	83	1-1/2"

Clip



Size	D	L	Z	H
1/2"	15.9	37.9	11.9	21.5
3/4"	22.2	45.7	11.9	28.5
1"	28.6	54.2	12.1	35.2
1-1/4"	34.9	70.2	14.3	42.2
1-1/2"	41.3	84.0	15.5	50.3
2"	54	94.0	15.7	64.7

Clip



Size	D	L	D1
1/2"	15.9	29	21.2
3/4"	22.2	39	28.0
1"	28.6	46.5	34.7

Cross



Size	D	L	Z
1/2"	15.9	12.8	28.8
3/4"	22.2	17.9	31.1
1"	28.6	23.0	39.3
1-1/4"	34.9	28.1	42.2
1-1/2"	41.3	33.2	50.2
2"	54.0	43.3	72.4

Tank Adapter



Size	D	L	Z
1/2"	41.0	69	1/2"
3/4"	46.0	76	3/4"
1"	56.5	88	1"
1-1/4"	65.5	94	1-1/4"
1-1/2"	71.0	102.5	1-1/2"
2"	83.0	103.5	2"

Female Tee (Brass) A



Size	D	D1	L1	L	M
1/2"x1/2"	15.9	12.8	50	29.5	1/2"
3/4"x1/2"	22.2	17.9	68	32.7	1/2"
1"X1/2"	28.6	23.0	72	36.5	1/2"
3/4"X3/4"	22.2	18.2	65	34.1	3/4"
1"X3/4"	28.6	17.9	76.1	37.75	3/4"
1-1/4"X1/2"	34.9	28.2	81.4	40.35	1/2"



Ball Valve



Size	Part	Material	QTY
1	Handle	ABS	1
2	Stem	CPVC	1
3	O-Ring	NBR/EPDM	2
4	Body	CPVC	1
5	Cap	CPVC	1
6	Seat Seal	TPR/TPE	2
7	Ball	CPVC	1

Size	ASTM-2846 d	L	H	D
1/2"	15.9	68	41	24.1
3/4"	22.2	80	45	30.5
1"	28.6	93.5	55.5	38.0
1-1/4"	34.9	104	61	45.0
1-1/2"	41.3	115	66	61.8
2"	54.0	150	81	75.2

Single Union Valve



Size	Part	Material	QTY
1	Handle	ABS	1
2	Stem	CPVC	1
3	O-Ring	NBR/EPDM	2
4	Body	CPVC	1
5	Cap	CPVC	1
6	Seat Seal	TPR/TPE	2
7	Ball	CPVC	1

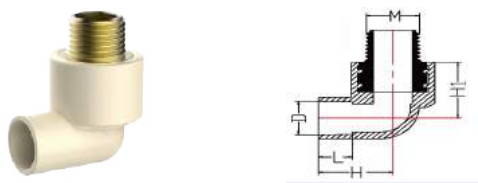
Size	Ds1	Ds2	L	Z
1/2"	15.72	16.08	61.5	50.5
3/4"	22.10	22.45	74.5	77.5
1"	28.47	28.83	93.0	98.5
1-1/4"	34.85	35.20	109.5	99.5
1-1/2"	41.2	41.66	129	115.0
2"	53.92	54.38	162	145.5

Drop Ear Elbow



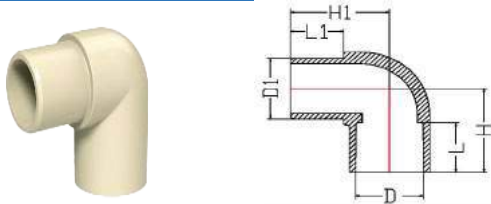
Size	D	L1	L	M
1/2"	15.9	12.8	25.5	1/2"

Male Elbow (Brass) A



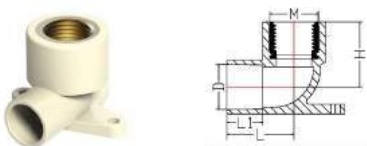
Size	D	L	H	L1	M
1/2"X1/2"	15.9	12.8	25	29.5	1/2"
3/4"X1/2"	22.2	17.9	34	32.7	1/2"
3/4"X3/4"	22.2	17.9	34	34.0	3/4"
1"X1/2"	28.6	23.0	36	36.0	1/2"
1"X1"	28.6	23.0	43.5	43.5	1"

Street Elbow



Size	D	D1	L	L1	H	H1
1/2"	15.9	15.9	13	13	23	25
3/4"	22.2	22.2	18	18	31	34
1"	28.6	28.6	23	23	39	42

Ear Brass Elbow



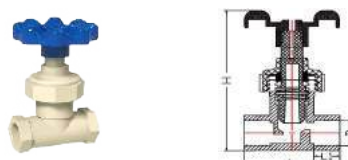
Size	D	L1	L	H	M
1/2"X1/2"	15.9	13.0	28.5	28	1/2"
3/4"X1/2"	22.2	18.2	34.0	32.63	3/4"

Angle Valve A



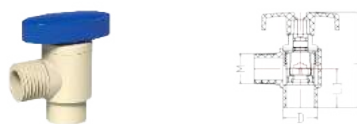
Size	D	H	L	M
1/2"	15.9	27.7	87	1/2"
3/4"	22.2	34.5	97	3/4"

Stop Valve



Size	D	L	H	L1
1/2"	15.9	54.6	87	14.8
3/4"	22.2	67.0	87	20.0

Angle Valve C



Size	D	L1	L	M
1/2"	22.2	25.7	62.9	1/2"

Reducing Tee



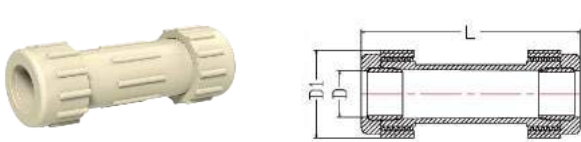
Size	D	D1	H	L1	L
3/4"X3/4"X1/2"	22.2	15.9	31.1	17.9	58.0
3/4"X1/2"X1/2"	22.2	15.9	26.0	17.9	38.9

Tank Connector



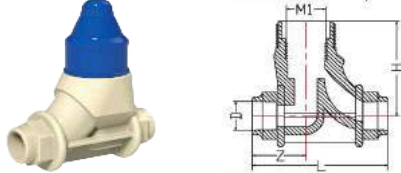
Size	M1	D1	L	H	M
3/4"	22.2	45.0	18.0	57.0	3/4"
1"	28.6	55.0	23.0	63.0	1"
1-1/4"	34.9	65.0	28.0	69.5	1-1/4"

Compression Coupling



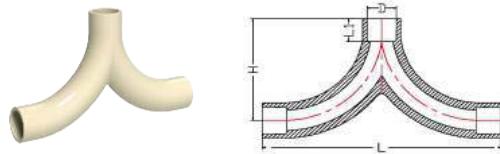
Size	D	D1	L
1/2"	16.5	53.1	95
3/4"	22.8	43.3	105
1"	29.0	52.0	115

Check Valve



Size	D	L	L1	H	M
1/2"	15.9	53.1	28.2	71.2	1/2"

Tee Mixer



Size	D	L1	H	L
1/2"	15.9	12.8	60.5	130

Female Adapter (Brass) C



Size	D	D1	L1	L	M
1/2"X1/2"	15.9	32	17.9	31.0	1/2"
3/4"X3/4"	22.2	38	23	38.5	3/4"
1"X1"	28.6	47	23	46.5	1"
1-1/4"X1-1/4"	34.9	62	28	57.5	1-1/4"
1-1/2"X1-1/2"	41.3	70	33.2	64.5	1-1/2"
2"X2"	54.0	87.4	43.5	77	2"
3/4"X1/2"	22.2	32	23	36.5	1/2"
1"X1/2"	28.6	34	23	41.5	1/2"
1"X3/4"	28.6	38	23	46.5	3/4"

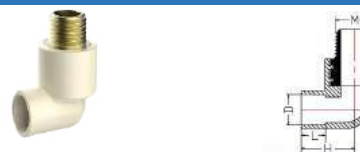


Male Adapter (BRASS) C



Size	D	D1	L 1	L	M
1/2"X1/2"	15.9	36.3	13	31	1/2"
3/4"X1/2"	22.2	36.3	18	36	1/2"
3/4"X3/4"	22.2	43	18	38.5	3/4"
1"X1"	28.6	52	23	46.5	1"
1-1/4"X1-1/4"	34.9	62	28.2	54	1-1/4"
1-1/2"X1-1/2"	63.1	70	33.2	61	1-1/2"
2"X2"	78.1	87.4	43.5	72	2"
1"X1/2"	28.6	38	23	41.5	1/2"
1"X3/4"	28.6	43	23	46.5	3/4"

Male Elbow (BRASS) C



Size	D	L	H	H1	M
1/2"X1/2"	15.9	12.8	25	29.5	1/2"
3/4"X3/4"	22.2	17.9	34	32.7	3/4"
1"X1"	22.2	17.9	43.5	41	1"
3/4"X1/2"	28.6	23	34	36.5	1/2"
1"X1/2"	28.6	23	36	36.5	1/2"
1"X3/4"	28.6	23	36.6	37.3	3/4"

Male Tee (BRASS) C



Size	D	L1	L	H	M
1/2"X1/2"	15.9	12.8	50	29.5	1/2"
3/4"X3/4"	22.2	18.2	68	32.7	3/4"
1"X1"	28.6	23	85.5	39.8	1"
3/4"X1/2"	22.2	18.2	68	36.5	1/2"
1"X1/2"	28.6	23	72	36.5	1/2"
1"X3/4"	28.6	23	75	37.5	3/4"

Compression Coupling



Size	D	D1	L
1/2"	20.33	59.1	35.5
3/4"	26.3	59.7	42.4

Female Elbow (BRASS) C



Size	D	L	H	H1	M
1/2"X1/2"	15.9	12.8	25	29.5	1/2"
3/4"X3/4"	22.2	17.9	34	32.7	3/4"
1"X1"	22.2	17.9	34	32.7	1"
3/4"X1/2"	28.6	23	36	36.5	1/2"
1"X1/2"	28.6	23	36	36.5	1/2"
1"X3/4"	28.6	23	36	39.3	3/4"

Female Tee



Size	D	L1	L	H	M
1/2"X1/2"	15.9	12.8	50	29.5	1/2"
3/4"X3/4"	22.2	18.2	68	32.7	3/4"
1"X1"	22.2	23	85.5	39.8	1"
3/4"X1/2"	22.2	18.2	68	36.5	1/2"
1"X1/2"	28.6	23	72	36.5	1/2"
1"X3/4"	28.6	23	75	37.5	3/4"

Male-Female Tank Adapter



Size	D1	L	H	L1	H	M	M1
3/4"	45	26	13.7	14	66	20	3/4"
1"	55	29	18.8	18.5	71	25.5	1"

Tee Mixer



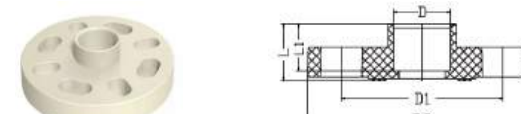
Size	D	L	Z	H
1/2"	15.9	13.5	60.5	130

Ear Coupling Elbow



Size	D	H1	H	M
1/2"	34.57	29	37.3	1/2"
3/4"	28	21	31.3	3/4"

Flange



Size	D	D1	D2	L1	L
1"	28.6	81	115	23.38	26.7
1-1/4"	34.9	90.62	125	28.9	32.0
1-1/2"	41.3	98.20	135	35.0	38.55
2"	54.0	119.14	160	43.6	48.1

Blind Flange

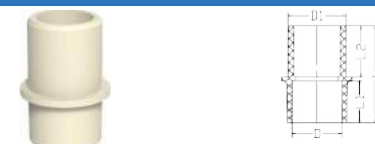


Size	D	D1	D2	L1
1"	40.22	81	115	26.7
1-1/4"	49	90.62	125	32.0
1-1/2"	56	98.20	135	38.55
2"	74	119.14	160	48.1

Running Trap

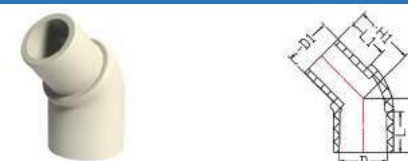
Size	D	D1	L
1/2"	21.34	28.8	240
3/4"	26.67	34.5	250
1"	33.40	42.5	260

Female Tee (Brass) C



Size	D	D1	L1	L2	L
1/2"	15.9	21.30	13.7	22.72	38.72
3/4"	22.2	26.59	18.8	25.90	46.7
1"	28.6	33.36	23.85	29.0	55.0
1-1/4"	35.2	42.20	28.85	24.3	56.0
1-1/2"	41.68	48.20	36.4	36.4	72.8
2"	54.38	60.35	44.2	39.7	85.9

45 Deg Street Elbow



Size	D	D1	L	L1	H	H1
1/2"	15.9	15.9	13.7	14	18	20
3/4"	22.2	22.2	18.8	18.5	25.5	25.5

Female Elbow (Brass)



Size	D	L	L1	M
3/4"X3/4"	38	17	37	3/4"

Three-Way Female Brass Elbow (Unidirection)



Size	D	L1	L	z	H	H1	M
3/4"X1/2"	22.2	35	18	29.5	220	194	1/2"

Three-Way Female— Brass Elbow (Two Directions)



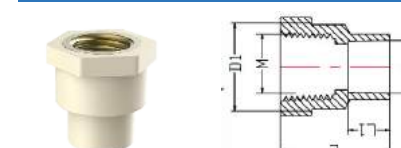
Size	D	L1	L	z	H	H1	M
3/4"X1/2"	22.2	35	18	29.5	182	197	1/2"

Three-Way Female Brass Elbow (Three Directions)



Size	D	L1	L	z	H	H1	M
3/4"X1/2"	22.2	35	18	29.5	182	215.5	1/2"

Female Adapter (Brass) C

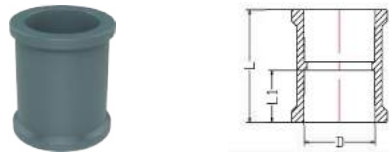


Size	D	D1	L1	L	M
1/2"	15.9	27	12.8	34	1/2"
3/4"	22.2	32.5	17.9	40	3/4"
1"	28.6	39.1	23.0	49	1"
1-1/4"	34.9	49	28.1	54	1-1/4"
1-1/2"	41.3	55	33.2	61	1-1/2"
2"	54.0	70	43.3	73.5	2"



PVC-U WATER SUPPLY FITTINGS (NBR 5648)

Socket



Size	D	L	L1
20	19.9	35.5	16
25	24.9	40	18
32	31.9	48	22.5
40	39.9	56.5	26
50	49.9	65.5	31
60	60	79	37.5
63	62.9	79	37.5
75	74.9	93	44
90	89.9	108	51
110	109.9	128	61

Reducing Socket



Size	D	L1	L2	L
25X20	24.9	18	16	40
32x20	31.9	22.5	16	46
32x25	31.9	22.5	18	46
40x25	39.9	26	18.5	55
40x32	39.9	26	22.5	55
50X32	49.9	31	22.5	65
50X40	49.9	31	26	65
60X40	59.9	37	26	79
60X50	59.9	37	31	79
63X40	62.9	37.5	26	79
63X50	62.9	37.5	31	79
75X50	74.9	44	31	93
75X60	74.9	44	37	93
75X63	74.9	44	37.5	93
85X75	89.9	51	44	108
90X60	89.9	51	37	108
90x63	89.9	51	37.5	108
90X75	89.9	51	44	108
110X75	109.9	61	44	128
110X85	109.9	61	51	128
110X90	109.9	61	51	128

Female Elbow (Brass)



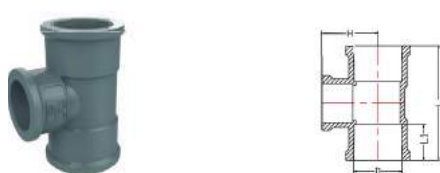
Size	D	L	H	H1	M
20X1/2"	19.9	16	27	29	1/2"
25X1/2"	24.9	18.5	32	34	1/2"
25X3/4"	24.9	18.5	32	34	3/4"

90 Deg Elbow



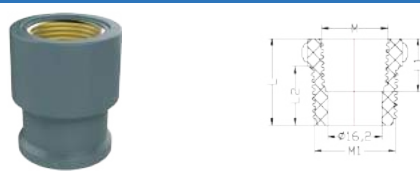
Size	D	H	L
20	19.9	27	16
25	24.9	32	18
32	31.9	40	22.5
40	39.9	47	26
50	49.9	57.5	31
60	60	69.5	37.5
63	62.9	69.5	37.5
75	74.0	83.5	44
90	89.9	99	51
110	109.9	124	61

Reducing Tee



Size	D	L1	H	L
25X20	24.9	18	29	59
32x20	24.9	22.5	34	68
32x25	31.9	22.5	36	73
40x25	39.9	26	39.5	82
40x32	39.9	26	43.5	90
50X25	49.9	31	43.5	90
50X32	49.9	31	48	101
50X40	49.9	31	51.5	106
63X40	62.9	37.5	58.5	117
63X50	62.9	37.5	63	126
75X50	74.9	44	70	142
75X60	74.9	44	77	155
75X63	74.9	44	77	155
90x63	89.9	51	85	171
90X75	89.9	51	92	91.5
110X75	109.9	61	102	103.5
110X90	109.9	61	109	111

Female Socket (Brass)



Size	D	L1	L	M
20X1/2"	19.9	16	37	1/2"
25X1/2"	24.9	18.5	40	1/2"
25X3/4"	24.9	18.5	40	3/4"

Reducing Elbow



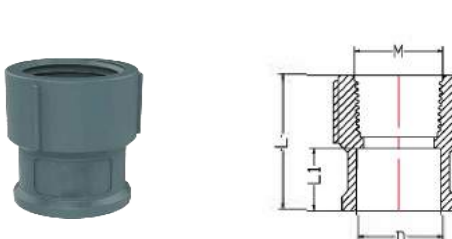
Size	D	L	H	H1
25X20	24.9	18	27	29
32x20	31.9	22.5	32	34
32x25	31.9	22.5	40	36
40X25	39.9	26	47	39.5
40X32	39.9	26	57.5	43.4

Tee



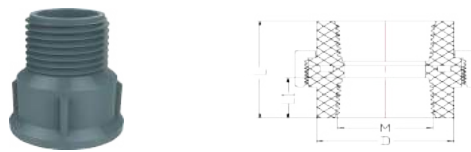
Size	D	H	L	L1
20	19.9	26.7	53.7	16.2
25	24.9	32	64	18.5
32	31.9	40	80	22.5
40	39.9	47	94	26.2
50	49.9	57.5	115	31
60	60	69.5	139	37.5
63	62.9	69.5	139	37.5
75	74.9	83.5	167	44
85	89.9	99	198	51
90	89.9	99	198	51
110	109.9	124	248	61

Female Socket



Size	D	L1	L	M
20X1/2"	19.9	16	37.5	1/2"
25X1/2"	24.9	18	39	1/2"
25X3/4"	24.9	18	40	3/4"
32X1"	31.9	22.5	48	1"
40X1-1/4"	39.9	26	56.5	1-1/4"
50X1-1/2"	49.9	31	60	1-1/2"
60X2"	59.9	37.5	73	2"
63X2"	62.9	37.5	73	2"
75X2-1/2"	74.9	44	85	2-1/2"
90X3"	89.9	51	94	3"
110X4"	109.9	61	110	4"

Male Socket



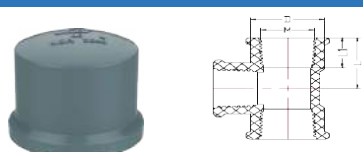
Size	D	L1	L	M
20X1/2"	19.9	16	37.5	1/2"
25X3/4"	24.9	18	42	3/4"
32X1"	31.9	22.5	48	1"
40X1-1/4"	39.9	26	55.5	1-1/4"
50X1-1/2"	49.9	31	66	1-1/2"
60X2"	59.9	37.5	78	2"
63X2"	62.9	37.5	78	2"
75X2-1/2"	74.9	44	88	2-1/2"
90X3"	89.9	51	102	3"
110X4"	109.9	61	117	4"

45 Deg Elbow



Size	D	H	L
20	19.9	21.5	16
25	24.9	25.6	18
32	31.9	31	22.5
40	39.9	36.5	26
50	49.9	44.5	31
60	59.9	51.5	37.5
63	62.9	51.5	37.5
75	74.9	63.5	44
85	89.9	74.5	51
90	89.9	74.5	51
110	109.9	93.5	61

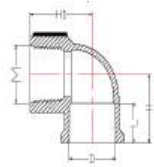
End Cap



Size	D	H	L1	L
20	19.9	21.5	16	22
25	24.9	25.6	18	25
32	31.9	31	22.5	28
40	39.9	36.5	26	33
50	49.9	44.5	31	40
60	59.9	51.5	37.5	50
63	62.9	51.5	37.5	50
75	74.9	63.5	44	56
90	89.9	74.5	51	65
110	109.9	93.5	61	80

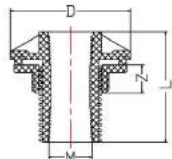


Female Elbow



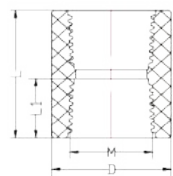
Size	D	L	H	H1	M
20X1/2"	19.9	16	27	29	1/2"
25X1/2"	24.9	18	29	30	1/2"
25X3/4"	24.9	18	32	34	3/4"
32X3/4"	31.9	22.5	37.17	37.17	3/4"
32X1"	31.9	22.5	40	41	1"

Back Nut



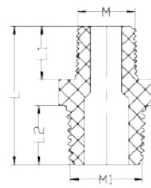
Size	D	Z	L	M
20X1/2"	19.9	16	37.5	1/2"
25X3/4"	24.9	18	42	3/4"
32X1"	31.9	22.5	48	1"
40X1-1/4"	39.9	26	55.5	1-1/4"
50X1-1/2"	49.9	31	66	1-1/2"
60X2"	59.9	37.5	78	2"

Female Tee (Brass)



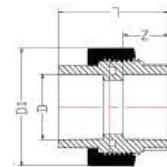
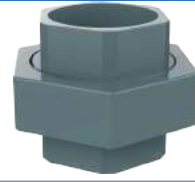
Size	D	L1	L	H	M
20X1/2"	19.9	16	54	29	1/2"
25X1/2"	24.9	18.5	64	34	1/2"
25X3/4"	24.9	18.5	64	40	3/4"

Union (Light)



Size	D	L1	L
20	19.9	16.5	40.0
25	24.9	19.0	45.0
32	31.9	22.5	54.5

Union



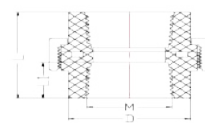
Size	D	D1	Z	L
20	19.9	48	16	44
25	24.9	55	18	50
32	31.9	64	22.5	61
40	39.9	78	25	72
50	49.9	86	31	81
63	62.9	102	37.5	93

Female Tee



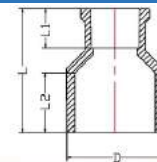
Size	D	L1	L	M
20X1/2"	19.9	16	43	1/2"
25X1/2"	24.9	18	47	1/2"
25X3/4"	24.9	18	51	3/4"
32X3/4"	31.9	22.5	62	3/4"

Short Reducer Bushing



Size	D	D1	H	H1
25X20	19.9	23	18	25
32X25	24.9	28	22.5	32
40X32	31.9	30	22.5	40
50X40	39.9	34	26	50
63X50	49.9	40	31	63

Reducing Coupling



Size	D	L2	L1	L
32X20	31.9	22.5	16	42
40X20	39.9	26	16	51
40X25	39.9	26	18.5	51
50X20	49.9	31	16	61
50X25	49.9	31	18.5	61
50X32	49.9	31	22.5	61

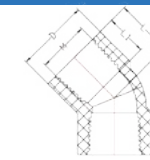
PP Threaded Pipes & Fittings

PP Threaded Pipe



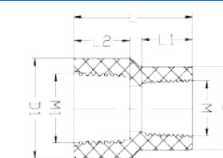
Size	D	Z	L
1/2"	21.34	3.9	4
3/4"	26.67	4.1	4
1"	33.40	4.9	4
1-1/4"	42.16	5.0	4
1-1/2"	48.26	6.3	4
2"	60.32	7.5	4

45 Deg Elbow



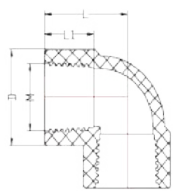
Size	D	L1	L	M
1/2"	28.5	16	22.0	1/2"
3/4"	35.5	18	24.8	3/4"
1"	44.5	21	29.0	1"
1-1/4"	54.0	23.8	35.8	1-1/4"
1-1/2"	60.8	25.0	37.5	1-1/2"
2"	74.5	27.7	45.0	2"

Female Reducer



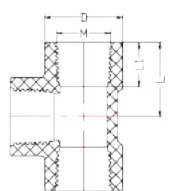
Size	D	D1	L1	L2	L	M	M1
1/2"X3/8"	24	28.5	14.5	16	34	3/8"	1/2"
3/4"X1/2"	28.5	35.5	16.0	18	38	1/2"	3/4"
1"X1/2"	28.5	44.5	16.0	21	42	1/2"	1"
1"X3/4"	35.5	44.5	17.8	21.7	44	3/4"	1"
1-1/4"X1/2"	28.5	54.0	16.0	23.8	44.8	1/2"	1-1/4"
1-1/4"X3/4"	35.5	54.0	18.0	23.8	46.8	3/4"	1-1/4"
1-1/4"X1"	44.5	54.0	21.0	23.8	49.8	1"	1-1/4"
1-1/2"X1/2"	28.5	60.8	16.0	25.0	46.0	1/2"	1-1/2"
1-1/2"X3/4"	35.5	60.8	18.0	25.0	48.0	3/4"	1-1/2"
1-1/2"X1"	44.5	60.8	21.0	25.0	51.0	1"	1-1/2"
1-1/2"X1-1/4"	54.0	60.8	23.8	25.0	53.8	1-1/4"	1-1/2"
2"X1/2"	28.5	74.5	16.0	27.7	50.7	1/2"	2"
2"X3/4"	35.5	74.5	18.0	27.7	50.7	3/4"	2"
2"X1"	44.5	74.5	21.0	27.7	53.7	1"	2"
2"X1-1/4"	54.0	74.5	23.8	27.7	56.6	1-1/4"	2"
2"X1-1/2"	60.8	74.5	25	27.7	57.6	1-1/2"	2"

90 Deg Elbow



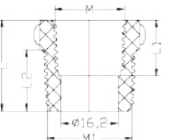
Size	D	L1	L	M
1/2"	28.5	16	27	1/2"
3/4"	35.5	18	31	3/4"
1"	44.5	21	36.6	1"
1-1/4"	54.0	23.8	43.4	1-1/4"
1-1/2"	60.8	25.0	49.8	1-1/2"
2"	74.5	27.7	60.7	2"

Female Tee



Size	D	L1	L	M
1/2"	28.5	16	27	1/2"
3/4"	35.5	18	31	3/4"
1"	44.5	21	36.6	1"
1-1/4"	54.0	23.8	43.4	1-1/4"
1-1/2"	60.8	25.0	49.8	1-1/2"
2"	74.5	27.7	60.7	2"

F/M Adaptor



Size	L1	L2	L	M	M1
3/4"X1/2"	16.0	17.5	26.0	1/2"	3/4"
1"X1/2"	16.0	20.5	29.5	1/2"	1"
1"X3/4"	17.5	20.5	29.5	3/4"	1"
1-1/4"X1/2"	16.0	23.8	33.8	1/2"	1-1/4"
1-1/4"X3/4"	17.5	23.8	33.8	3/4"	1-1/4"
1-1/4"X1"	20.5	23.8	33.8	1"	1-1/4"
1-1/2"X1/2"	16.0	25.0	36.0	1/2"	1-1/2"
1-1/2"X3/4"	17.5	25.0	36.0	3/4"	1-1/2"
1-1/2"X1"	20.5	25.0	36.0	1"	1-1/2"
2"X1/2"	16.0	27.7	38.7	1/2"	2"
2"X3/4"	17.5	27.7	38.7	3/4"	2"
2"X1"	20.5	27.7	38.7	1"	2"
2"X1-1/4"	23.8	27.7	38.7	1-1/4"	2"
2"X1-1/2"	25.0	27.7	38.7	1-1/2"	2"

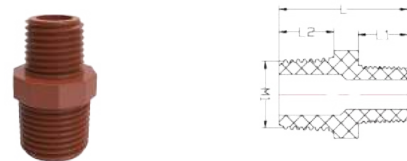


Female Coupling



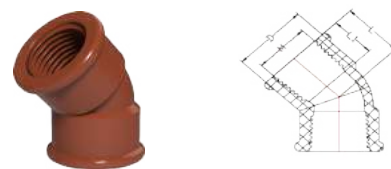
Size	D	L1	L	M
1/2"	28.5	16	34.4	1/2"
3/4"	35.5	18	38.5	3/4"
1"	44.5	21	44.5	1"
1-1/4"	54.0	23.8	52.2	1-1/4"
1-1/2"	60.8	25.0	53.7	1-1/2"
2"	74.5	27.7	61.6	2"

Reducing Nipple



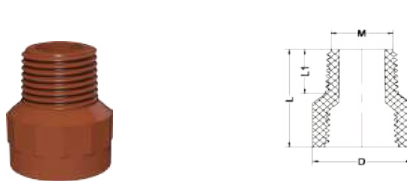
Size	L1	L2	L	M	M1
3/8"X1/2"	14	15.5	36.5	3/8"	1/2"
1/2"X3/4"	15.5	17.5	40	1/2"	3/4"
1/2"X1"	15.5	20.5	44	1/2"	1"
3/4"X1"	17.5	20.5	46	3/4"	1"

45 Deg Elbow



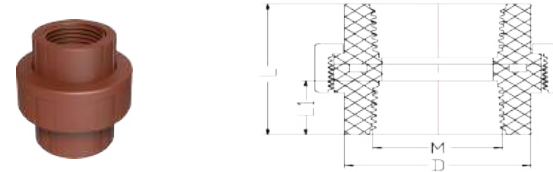
Size	D	L1	L	M
1/2"	27.2	16	27	1/2"
3/4"	33	18	31	3/4"
1"	41.5	21	36.6	1"

F/M Nipple



Size	D	L1	L	M
1/2"X1/2"	28.2	15	33	1/2"

Female Union



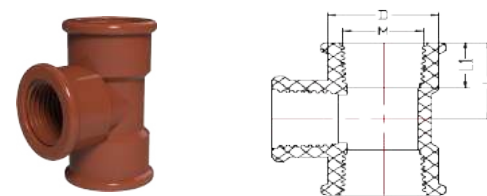
Size	D	L	H	H1
25X20	24.9	18	27	29
32X20	31.9	22.5	32	34
32X25	31.9	22.5	40	36
40X25	39.9	26	47	39.5
40X32	39.9	26	57.5	43.4

90 Deg Elbow



Size	L1	L2	L	M
1/2"	27.2	16	27	1/2"
3/4"	33	18	31	3/4"
1"	41.5	21	36.6	1"

Female Tee



Size	D	L1	L	M
1/2"	27.2	16	27	1/2"
3/4"	33	18	31	3/4"
1"	41.5	21	36.6	1"

Female Reducer



Size	L1	L2	L	M	M1
3/4"X1/2"	15.5	17.5	38	1/2"	3/4"

Female Coupling



Size	D	L1	L	M
1/2"	27.2	16	27	1/2"
3/4"	35.5	18	38.5	3/4"
1"	44.5	21	44.5	1"

Female Cap



Size	D	L1	L	M
1/2"	28.5	16	21.5	1/2"
3/4"	35.5	18	23.8	3/4"
1"	44.5	21	28	1"
1-1/4"	54.0	23.8	32.4	1-1/4"
1-1/2"	60.8	25	35	1-1/2"
2"	74.5	27.7	39	2"

Reducing Tee



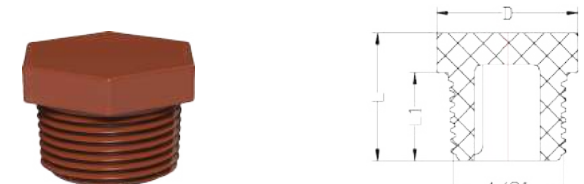
Size	D	D1	L	L1	M	M1
1/2"X3/4"	33	27.2	29	30.1	3/4"	1/2"
3/4"X1/2"	27.2	33	29	31	1/2"	3/4"
1"X1/2"	27.2	41.5	31.6	35.6	1/2"	1"
1"X3/4"	33	41.5	33.6	33.6	3/4"	1"

Reducing Elbow



Size	D	D1	L1	L2	L3	L4	M	M1
3/4"X1/2"	33	27.2	16	18	26.1	31	1/2"	3/4"
1"X1/2"	41.5	27.2	16	21	30.9	35.3	1/2"	1"

Male Plug



Size	D	L1	L	M
1/2"	25	15.5	22.5	1/2"
3/4"	30.7	17.5	24.5	3/4"
1"	38	20.5	28.5	1"

Male Elbow



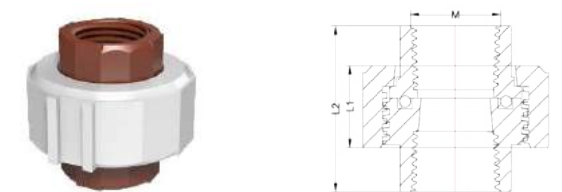
Size	L1	L2	L	M
1/2"	16	27	30.7	1/2"
3/4"	18	31	36.5	3/4"
1"	21	36.5	43.6	1"

Nipple



Size	D	L1	L	M
1/2"	13.8	38.3	15.0	1/2"
3/4"	18.7	42.3	17.5	3/4"
1"	21.5	49	20.5	1"
1-1/4"	28.5	56.7	24	1-1/4"
1-1/2"	33.8	60	25	1-1/2"
2"	44.5	66.5	27.7	2"

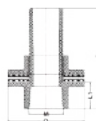
Female Union



Size	L1	L2	M
1/2"	19.2	39 ± 2	1/2"
3/4"	19.4	40.1 ± 2	3/4"
1"	23.8	47 ± 2	1"

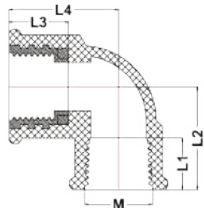


Tank Nut



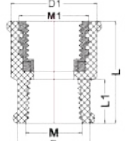
Size	D	L	L1	M
1/2"	65.5	89.1	18.9	1/2"
3/4"	64.2	91	21	3/4"
1"	73	95.6	25.1	1"
1-1/4"	86	100	29.5	1-1/4"
1-1/2"	92.4	101.1	30.6	1-1/2"
2"	106.6	104.2	33.6	2"

90 Deg Elbow (Brass) II



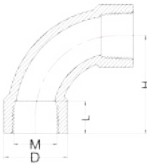
Size	L1	L2	L3	L4	M
1/2"X1/2"	16	32	18.5	34	1/2"
3/4"X3/4"	18	37	19.5	37	3/4"

Female Coupling (Brass) II



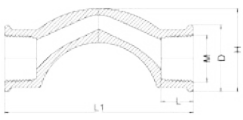
Size	D	D1	L	L1	M	M1
1/2"X1/2"	27.2	32.2	37.5	16	1/2"	1/2"
3/4"X3/4"	33.0	38.2	40.5	18	3/4"	3/4"

Female Elbow



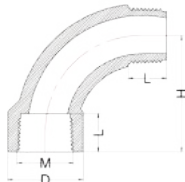
Size	D	L	H	M
3/4"	35.5	18	55	3/4"

Step Over Bend



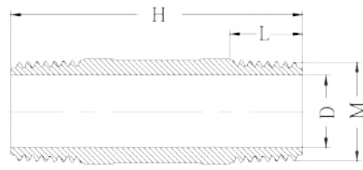
Size	D	L	L1	H	M
3/4"	37.5	18	106	47	3/4"

Long Elbow



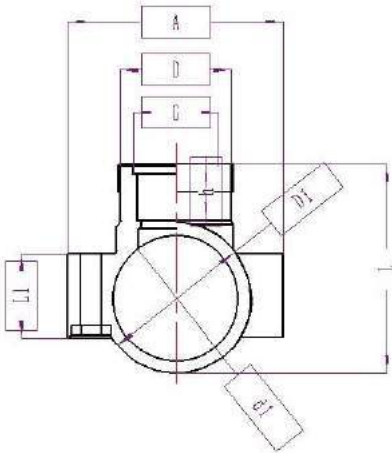
Size	D	L	H	M
3/4"	37.5	18	47	3/4"

Nipple



Size	D	L	H	M
1/2"	14.8	15	60	1/2"
1/2"	14.8	15	100	1/2"
3/4"	19.7	17	60	3/4"
3/4"	19.7	17	100	3/4"
1"	24.5	20	60	1"
1"	24.5	20	100	1"

PP Clamp Saddle



SIZE	A	D	h	D1	d1	L	L1	G
25x1/2"	76	30.6	17.5	34	25	49	22	1/2"
25x3/4"	76	37.3	20	34	25	51	22	3/4"
32x1/2"	78	30.6	17.5	41	32	62	32	1/2"
32x3/4"	78	37.3	20	41	32	62	32	3/4"
32x1"	78	45.1	24	41	32	62	32	1"
40x1/2"	85	30.6	17.5	50	40	71	24	1/2"
40x3/4"	85	37.3	20	50	40	71	24	3/4"
40x1"	85	45.1	24	50	40	71	24	1"
50x1/2"	85.5	30.6	17.5	60	50	79	16	1/2"
50x3/4"	85.5	37.3	20	60	50	79	16	3/4"
50x1"	85.5	45.1	24	60	50	79	16	1"
63x1/2"	100	30.6	17.5	74.2	63	98	26	1/2"
63x3/4"	100	37.3	20	74.2	63	98	26	3/4"
63x1"	100	45.1	24	74.2	63	98	26	1"
75x1/2"	117.6	30.6	17.5	89	75	109	26	1/2"
75x3/4"	117.6	37.3	20	89	75	109	26	3/4"
75x1"	117.6	45.1	24	89	75	109	26	1"
90x1/2"	138	30.6	17.5	105	90	125	30	1/2"
90x3/4"	138	37.3	20	105	90	125	30	3/4"
90x1"	138	45.1	24	105	90	125	30	1"
90x1.1/4"	138	54	29	105	90	125	30	1.1/4"
90x1.1/2"	138	61.1	29	105	90	125	30	1.1/2"
90x2"	138	71.9	29	105	90	125	30	2"
110x1/2"	158	30.6	17.5	126.4	110	147	30	1/2"
110x3/4"	158	37.3	20	126.4	110	147	30	3/4"
110x1"	158	45.1	24	126.4	110	147	30	1"
110x1.1/4"	158	54	29	126.4	110	147	30	1.1/4"
110x1.1/2"	158	61.1	29	126.4	110	147	30	1.1/2"
110x2"	158	71.9	29	126.4	110	147	30	2"
160x1/2"	211	30.6	17.5	181	160	207	54	1/2"
160x3/4"	211	37.3	20	181	160	207	54	3/4"
160x1"	211	45.1	24	181	160	207	54	1"
160x1.1/4"	211	54	29	181	160	207	54	1.1/4"
160x1.1/2"	211	61.1	29	181	160	207	54	1.1/2"
160x2"	211	71.9	29	181	160	207	54	2"
160x3"	211	102	35	181	160	207	54	3"
200x1/2"	222.6	30.6	17.5	222.6	200	254	58	1/2"
200x3/4"	222.6	37.3	20	222.6	200	254	58	3/4"
200x1"	222.6	45.1	24	222.6	200	254	58	1"
200x1.1/4"	222.6	54	29	222.6	200	254	58	1.1/4"
200x1.1/2"	222.6	61.1	29	222.6	200	254	58	1.1/2"
200x2"	222.6	102	29	222.6	200	254	58	2"
200x3"	222.6	129	35	222.6	200	254	58	3"





Double / Single Pipe Clamps

Superfies Single Pipe Clamps
With Rubber



Single Pipe Clamps
Withinner Rubber



Double Pipe Clamps
Withinner Rubber



Double Pipe Clamps
Withinner Rubber



Single Pipe Clamps
Withinner Rubber



Single Pipe Clamps
Withinner Rubber



Single Pipe Clamps
Withinner Rubber



Single Pipe Clamps
Withinner Rubber



Single Pipe Clamps
With rubber with screw



Single Pipe Clamps
Withinner Rubber



"U"Type With Rubber



"F"Type Fixed Drive



Double Pipe Clamps
Withinner Rubber



Single Pipe Clamps Withinner Rubber



Double Pipe Clamps
Withinner Rubber



Single Pipe Clamps
With rubber with screw



M8 Welding Clamp Yellow Coating



Single Pipe Clamps With
rubber with screw



Pipe Clamp Hanger

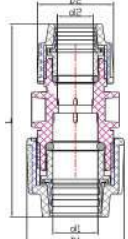
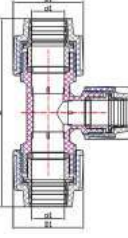
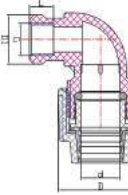
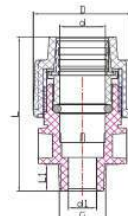
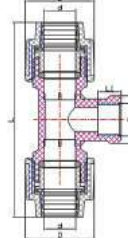


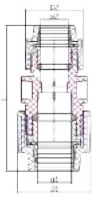
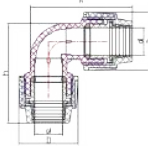
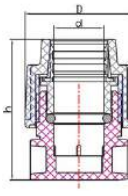
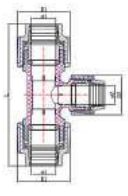
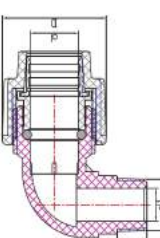
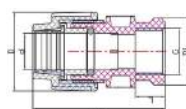
Pipe Clamp Hanger With Rubber





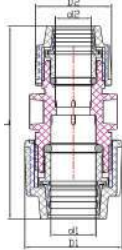
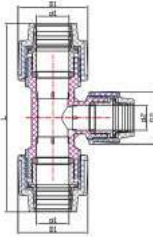
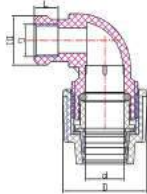
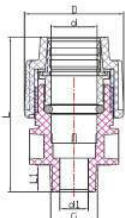
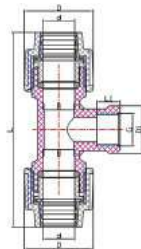
PP Compression Fittings (PN16)

	REDUCING COUPLING SWD3131		SIZE	D2	d1	d2	D1	L	
			Φ25X20	44	26	21	56	117	
			Φ32X20	44	33	21	65	129	
			Φ32X25	56	33	26	65	143	
			Φ40X20	44	41	21	80	163	
			Φ40X25	56	41	26	80	168	
			Φ40X32	65	41	33	80	174	
			Φ50X25	56	51	26	92	180	
			Φ50X32	62	51	33	92	188	
			Φ50X40	80	51	41	92	207	
	REDUCING TEE SWD3132		SIZE	D1	D2	d1	d2	L	W
			Φ25x20x25	56	44	26	21	158	93
			Φ32x20x32	65	44	33	21	181	101
			Φ32x25x32	65	56	33	26	189	105
			Φ40x25x40	80	56	41	26	228	120
			Φ40x32x40	80	65	41	33	239	123
			Φ50x25x50	92	56	51	26	254	155
			Φ50x32x50	92	80	51	33	262	160
			Φ50x40x50	92	80	51	41	265	165
			Φ63x50x63	114	92	64	51	303	185
	FEMALE ELBOW SWD3133		SIZE	D	d	D1	W	L	G
			Φ20x1/2"	44	21	31.6	83	16	1/2"
			Φ20x3/4"	44	21	38.6	85	19	3/4"
			Φ25x1/2"	56	26	31.6	98	16	1/2"
			Φ25x3/4"	56	26	38.6	100	19	3/4"
			Φ32x3/4"	65	33	38.6	110	19	3/4"
			Φ32x1"	65	33	47.4	114	22	1"
			Φ40x1"	80	41	47.4	132	22	1"
			Φ40x1-1/4"	80	41	62	132	24	1-1/4"
			Φ50x1-1/2"	92	51	67	160	24	1-1/2"
	MALE ADAPTOR SWD3134		SIZE	D	d	d1	L	L1	
			Φ20x1/2"	44	21	14	75	14	
			Φ20x3/4"	44	21	17.5	75	16	
			Φ25x1/2"	56	26	14	92	14	
			Φ25x3/4"	56	26	17.5	92	16	
			Φ25x1"	56	26	23	92	19	
			Φ32x3/4"	65	33	17.5	104	16	
			Φ32x1"	65	33	23	104	19	
			Φ32x1-1/4"	65	33	31.5	104	21	
			Φ40x1"	80	41	23	135	21	
	FEMALE TEE SWD3135		SIZE	D	d	D1	L1	L	
			Φ20X1/2"	44	21	31.6	16	125	
			Φ20X3/4"	44	21	38.6	19	125	
			Φ25X1/2"	56	26	31.6	16	158	
			Φ25X3/4"	56	26	38.6	19	158	
			Φ32X3/4"	65	33	38.6	19	189	
			Φ32X1"	65	33	47.4	22	189	
			Φ40X1-1/4"	80	41	62	24	239	
			Φ50X1-1/2"	92	51	67	24	262	
			Φ63X2"	114	64	81.2	28	303	

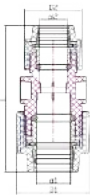
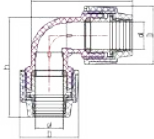
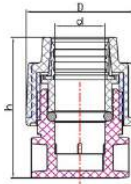
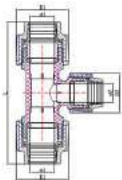
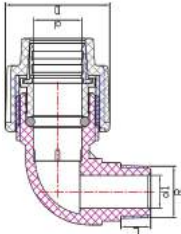
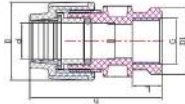
	COUPLING SWD3125		SIZE	D	d	L	PN			
			Φ20	44	21	100	16			
			Φ25	56	26	130	16			
			Φ32	65	33	150	16			
			Φ40	80	41	195	16			
			Φ50	92	51	218	16			
			Φ63	114	64	235	16			
			Φ75	128	76	280	16			
			Φ90	152	91	315	16			
			Φ110	182	111	360	16			
	ELBOW SWD3126		SIZE	D	d	H	PN			
			Φ20	44	21	76	16			
			Φ25	56	26	96	16			
			Φ32	65	33	116	16			
			Φ40	80	41	145	16			
			Φ50	92	51	165	16			
			Φ63	114	64	195	16			
			Φ75	128	76	231	16			
			Φ90	152	91	267	16			
			Φ110	182	111	315	16			
	PLUG SWD3127		SIZE	D	d	H	PN			
			Φ20	44	21	76	16			
			Φ25	56	26	96	16			
			Φ32	65	33	116	16			
			Φ40	80	41	145	16			
			Φ50	92	51	165	16			
			Φ63	114	64	195	16			
			Φ75	128	76	231	16			
			Φ90	152	91	267	16			
			Φ110	182	111	315	16			
	MALE TEE SWD3128		SIZE	D	d	L1	W	L	d1	R
			Φ20X1/2"	44	21	14	68	125	14	1/2"
			Φ20X3/4"	44	21	16	70	125	17.5	3/4"
			Φ25X1/2"	56	26	14	78	158	14	1/2"
			Φ25X3/4"	56	26	16	78	158	17.5	3/4"
			Φ25X1"	56	26	19	78	158	23	1"
			Φ32X3/4"	65	33	16	91	189	17.5	3/4"
			Φ32X1"	65	33	19	93	189	23	1"
			Φ40X1-1/4"	80	41	21	100	239	31.5	1-1/4"
			Φ50X1-1/2"	92	51	21	125	262	32	1-1/2"
	MALE ELBOW SWD3129		SIZE	D	d	d1	W	L	G	
			Φ20X1/2"	44	21	14	83	14	1/2"	
			Φ20X3/4"	44	21	17.5	85	16	3/4"	
			Φ25X1/2"	56	26	14	98	14	1/2"	
			Φ25X3/4"	56	26	17.5	100	16	3/4"	
			Φ32X3/4"	65	33	17.5	110	16	3/4"	
			Φ32X1"	65	33	23	114	19	1"	
			Φ40X1-1/4"	80	41	31.5	132	21	1-1/4"	
			Φ50X1-1/2"	92	51	32	160	21	1-1/2"	
			Φ63X2"	114	64	42	190	26	2"	
	FEMALE ADAPTOR SWD3130		Φ75X2-1/2"	128	76	60	230	30	2-1/2"	
			Φ90X3"	152	91	67	260	33		
			Φ110X4"	182	111	92	300	38		
			Size	D	d	D1	L	h		
			Φ32X1"	63	33	44.7	21	90		
			Φ40X1 1/4"	74	41	54	23	110		
			Φ50X1-1/2"	85	51	58	25	113		
Φ63X2"	105	64	72	30	134					
Φ75X2-1/2"	118	76	88	32	149					
Φ90X3"	145	91	102	36	185					



PP COMPRESSION FITTINGS (PN16)

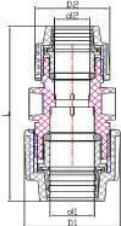
	REDUCING COUPLING SWD3131		SIZE	D2	d1	d2	D1	L				
			Φ25X20	44	26	21	56	117				
			Φ32X20	44	33	21	65	129				
			Φ32X25	56	33	26	65	143				
			Φ40X20	44	41	21	80	163				
			Φ40X25	56	41	26	80	168				
			Φ40X32	65	41	33	80	174				
			Φ50X25	56	51	26	92	180				
			Φ50X32	62	51	33	92	188				
			Φ50X40	80	51	41	92	207				
			Φ63X25	56	64	26	114	194				
			Φ63X32	65	64	33	114	204				
			Φ63X40	80	64	41	114	214				
			Φ63X50	92	64	51	114	227				
			Φ75X50	92	76	51	128	251				
			Φ75X63	114	76	64	128	256				
				REDUCING TEE SWD3132		SIZE	D1	D2	d1	d2	L	W
Φ25x20x25	56	44				26	21	158	93			
Φ32x20x32	65	44				33	21	181	101			
Φ32x25x32	65	56				33	26	189	105			
Φ40x25x40	80	56				41	26	228	120			
Φ40x32x40	80	65				41	33	239	123			
Φ50x25x50	92	56				51	26	254	155			
Φ50x32x50	92	80				51	33	262	160			
Φ50x40x50	92	80				51	41	265	165			
Φ63x50x63	114	92				64	51	303	185			
Φ75x63x75	128	114				76	64	365	225			
Φ90x63x90	152	114				91	64	420	250			
Φ90x75x90	152	128				91	76	420	270			
Φ110X90X110	182	152				111	91	486	310			
	FEMALE ELBOW SWD3133					SIZE	D	d	D1	W	L	G
						Φ20x1/2"	44	21	31.6	83	16	1/2"
						Φ20x3/4"	44	21	38.6	85	19	3/4"
			Φ25x1/2"	56	26	31.6	98	16	1/2"			
			Φ25x3/4"	56	26	38.6	100	19	3/4"			
			Φ32x3/4"	65	33	38.6	110	19	3/4"			
			Φ32x1"	65	33	47.4	114	22	1"			
			Φ40x1"	80	41	47.4	132	22	1"			
			Φ40x1-1/4"	80	41	62	132	24	1-1/4"			
			Φ50x1-1/2"	92	51	67	160	24	1-1/2"			
			Φ63x2"	114	64	81.2	190	28	2"			
			Φ75*2-1/2"	128	76	105	230	33	2-1/2"			
			Φ90X3"	152	91	125	260	35	3"			
			Φ110X4"	182	111	157	300	40	4"			
				MALE ADAPTOR SWD3134		SIZE	D	d	d1	L	L1	
						Φ20x1/2"	44	21	14	75	14	
						Φ20x3/4"	44	21	17.5	75	16	
Φ25x1/2"	56	26				14	92	14				
Φ25x3/4"	56	26				17.5	92	16				
Φ25x1"	56	26				23	92	19				
Φ32x3/4"	65	33				17.5	104	16				
Φ32x1"	65	33				23	104	19				
Φ32x1-1/4"	65	33				31.5	104	21				
Φ40x1"	80	41				23	135	21				
Φ40x1-1/4"	80	41				31.5	135	21				
Φ50x1-1/2"	92	51				32	148	21				
Φ50x2"	92	51				42	148	26				
Φ63x1-1/2"	114	64				32	158	21				
Φ63x2"	114	64				42	158	26				
Φ63x2-1/2"	114	64				60	158	30				
	FEMALE TEE SWD3135					SIZE	D	d	D1	L1	L	
			Φ20X1/2"	44	21	31.6	16	125				
			Φ20X3/4"	44	21	38.6	19	125				
			Φ25X1/2"	56	26	31.6	16	158				
			Φ25X3/4"	56	26	38.6	19	158				
			Φ32X3/4"	65	33	38.6	19	189				
			Φ32X1"	65	33	47.4	22	189				
			Φ40X1-1/4"	80	41	62	24	239				
			Φ50X1-1/2"	92	51	67	24	262				
			Φ63X2"	114	64	81.2	28	303				
			Φ75X2-1/2	128	76	105	33	365				
			Φ90X3	152	91	126	35	420				
			Φ110X4	182	111	157	40	482				

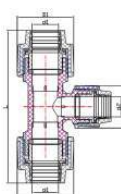


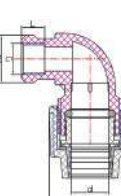
	COUPLING SWD3125		<table><tr><th>SIZE</th><th>D</th><th>d</th><th>L</th><th>PN</th></tr><tr><td>Φ20</td><td>44</td><td>21</td><td>100</td><td>16</td></tr><tr><td>Φ25</td><td>56</td><td>26</td><td>130</td><td>16</td></tr><tr><td>Φ32</td><td>65</td><td>33</td><td>150</td><td>16</td></tr><tr><td>Φ40</td><td>80</td><td>41</td><td>195</td><td>16</td></tr><tr><td>Φ50</td><td>92</td><td>51</td><td>218</td><td>16</td></tr><tr><td>Φ63</td><td>114</td><td>64</td><td>235</td><td>16</td></tr><tr><td>Φ75</td><td>128</td><td>76</td><td>280</td><td>16</td></tr><tr><td>Φ90</td><td>152</td><td>91</td><td>315</td><td>16</td></tr><tr><td>Φ110</td><td>182</td><td>111</td><td>360</td><td>16</td></tr></table>	SIZE	D	d	L	PN	Φ20	44	21	100	16	Φ25	56	26	130	16	Φ32	65	33	150	16	Φ40	80	41	195	16	Φ50	92	51	218	16	Φ63	114	64	235	16	Φ75	128	76	280	16	Φ90	152	91	315	16	Φ110	182	111	360	16																																																														
SIZE	D	d	L	PN																																																																																																															
Φ20	44	21	100	16																																																																																																															
Φ25	56	26	130	16																																																																																																															
Φ32	65	33	150	16																																																																																																															
Φ40	80	41	195	16																																																																																																															
Φ50	92	51	218	16																																																																																																															
Φ63	114	64	235	16																																																																																																															
Φ75	128	76	280	16																																																																																																															
Φ90	152	91	315	16																																																																																																															
Φ110	182	111	360	16																																																																																																															
	ELBOW SWD3126		<table><tr><th>SIZE</th><th>D</th><th>d</th><th>H</th><th>PN</th></tr><tr><td>Φ20</td><td>44</td><td>21</td><td>76</td><td>16</td></tr><tr><td>Φ25</td><td>56</td><td>26</td><td>96</td><td>16</td></tr><tr><td>Φ32</td><td>65</td><td>33</td><td>116</td><td>16</td></tr><tr><td>Φ40</td><td>80</td><td>41</td><td>145</td><td>16</td></tr><tr><td>Φ50</td><td>92</td><td>51</td><td>165</td><td>16</td></tr><tr><td>Φ63</td><td>114</td><td>64</td><td>195</td><td>16</td></tr><tr><td>Φ75</td><td>128</td><td>76</td><td>231</td><td>16</td></tr><tr><td>Φ90</td><td>152</td><td>91</td><td>267</td><td>16</td></tr><tr><td>Φ110</td><td>182</td><td>111</td><td>315</td><td>16</td></tr></table>	SIZE	D	d	H	PN	Φ20	44	21	76	16	Φ25	56	26	96	16	Φ32	65	33	116	16	Φ40	80	41	145	16	Φ50	92	51	165	16	Φ63	114	64	195	16	Φ75	128	76	231	16	Φ90	152	91	267	16	Φ110	182	111	315	16																																																														
SIZE	D	d	H	PN																																																																																																															
Φ20	44	21	76	16																																																																																																															
Φ25	56	26	96	16																																																																																																															
Φ32	65	33	116	16																																																																																																															
Φ40	80	41	145	16																																																																																																															
Φ50	92	51	165	16																																																																																																															
Φ63	114	64	195	16																																																																																																															
Φ75	128	76	231	16																																																																																																															
Φ90	152	91	267	16																																																																																																															
Φ110	182	111	315	16																																																																																																															
	PLUG SWD3127		<table><tr><th>SIZE</th><th>D</th><th>d</th><th>H</th><th>PN</th></tr><tr><td>Φ20</td><td>44</td><td>21</td><td>76</td><td>16</td></tr><tr><td>Φ25</td><td>56</td><td>26</td><td>96</td><td>16</td></tr><tr><td>Φ32</td><td>65</td><td>33</td><td>116</td><td>16</td></tr><tr><td>Φ40</td><td>80</td><td>41</td><td>145</td><td>16</td></tr><tr><td>Φ50</td><td>92</td><td>51</td><td>165</td><td>16</td></tr><tr><td>Φ63</td><td>114</td><td>64</td><td>195</td><td>16</td></tr><tr><td>Φ75</td><td>128</td><td>76</td><td>231</td><td>16</td></tr><tr><td>Φ90</td><td>152</td><td>91</td><td>267</td><td>16</td></tr><tr><td>Φ110</td><td>182</td><td>111</td><td>315</td><td>16</td></tr></table>	SIZE	D	d	H	PN	Φ20	44	21	76	16	Φ25	56	26	96	16	Φ32	65	33	116	16	Φ40	80	41	145	16	Φ50	92	51	165	16	Φ63	114	64	195	16	Φ75	128	76	231	16	Φ90	152	91	267	16	Φ110	182	111	315	16																																																														
SIZE	D	d	H	PN																																																																																																															
Φ20	44	21	76	16																																																																																																															
Φ25	56	26	96	16																																																																																																															
Φ32	65	33	116	16																																																																																																															
Φ40	80	41	145	16																																																																																																															
Φ50	92	51	165	16																																																																																																															
Φ63	114	64	195	16																																																																																																															
Φ75	128	76	231	16																																																																																																															
Φ90	152	91	267	16																																																																																																															
Φ110	182	111	315	16																																																																																																															
	MALE TEE SWD3128		<table><tr><th>SIZE</th><th>D</th><th>d</th><th>L1</th><th>W</th><th>L</th><th>d1</th><th>R</th></tr><tr><td>Φ20X1/2"</td><td>44</td><td>21</td><td>14</td><td>68</td><td>125</td><td>14</td><td>1/2"</td></tr><tr><td>Φ20X3/4"</td><td>44</td><td>21</td><td>16</td><td>70</td><td>125</td><td>17.5</td><td>3/4"</td></tr><tr><td>Φ25X1/2"</td><td>56</td><td>26</td><td>14</td><td>78</td><td>158</td><td>14</td><td>1/2"</td></tr><tr><td>Φ25X3/4"</td><td>56</td><td>26</td><td>16</td><td>78</td><td>158</td><td>17.5</td><td>3/4"</td></tr><tr><td>Φ25X1"</td><td>56</td><td>26</td><td>19</td><td>78</td><td>158</td><td>23</td><td>1"</td></tr><tr><td>Φ32X3/4"</td><td>65</td><td>33</td><td>16</td><td>91</td><td>189</td><td>17.5</td><td>3/4"</td></tr><tr><td>Φ32X1"</td><td>65</td><td>33</td><td>19</td><td>93</td><td>189</td><td>23</td><td>1"</td></tr><tr><td>Φ40X1-1/4"</td><td>80</td><td>41</td><td>21</td><td>100</td><td>239</td><td>31.5</td><td>1-1/4"</td></tr><tr><td>Φ50X1-1/2"</td><td>92</td><td>51</td><td>21</td><td>125</td><td>262</td><td>32</td><td>1-1/2"</td></tr><tr><td>Φ63X2"</td><td>114</td><td>64</td><td>26</td><td>150</td><td>303</td><td>42</td><td>2"</td></tr><tr><td>Φ75X2-1/2"</td><td>128</td><td>76</td><td>30</td><td>162</td><td>365</td><td>60</td><td>2-1/2"</td></tr><tr><td>Φ90X3"</td><td>152</td><td>91</td><td>33</td><td>175</td><td>420</td><td>67</td><td>3"</td></tr><tr><td>Φ110X4"</td><td>182</td><td>111</td><td>38</td><td>225</td><td>482</td><td>92</td><td>4"</td></tr></table>	SIZE	D	d	L1	W	L	d1	R	Φ20X1/2"	44	21	14	68	125	14	1/2"	Φ20X3/4"	44	21	16	70	125	17.5	3/4"	Φ25X1/2"	56	26	14	78	158	14	1/2"	Φ25X3/4"	56	26	16	78	158	17.5	3/4"	Φ25X1"	56	26	19	78	158	23	1"	Φ32X3/4"	65	33	16	91	189	17.5	3/4"	Φ32X1"	65	33	19	93	189	23	1"	Φ40X1-1/4"	80	41	21	100	239	31.5	1-1/4"	Φ50X1-1/2"	92	51	21	125	262	32	1-1/2"	Φ63X2"	114	64	26	150	303	42	2"	Φ75X2-1/2"	128	76	30	162	365	60	2-1/2"	Φ90X3"	152	91	33	175	420	67	3"	Φ110X4"	182	111	38	225	482	92	4"
SIZE	D	d	L1	W	L	d1	R																																																																																																												
Φ20X1/2"	44	21	14	68	125	14	1/2"																																																																																																												
Φ20X3/4"	44	21	16	70	125	17.5	3/4"																																																																																																												
Φ25X1/2"	56	26	14	78	158	14	1/2"																																																																																																												
Φ25X3/4"	56	26	16	78	158	17.5	3/4"																																																																																																												
Φ25X1"	56	26	19	78	158	23	1"																																																																																																												
Φ32X3/4"	65	33	16	91	189	17.5	3/4"																																																																																																												
Φ32X1"	65	33	19	93	189	23	1"																																																																																																												
Φ40X1-1/4"	80	41	21	100	239	31.5	1-1/4"																																																																																																												
Φ50X1-1/2"	92	51	21	125	262	32	1-1/2"																																																																																																												
Φ63X2"	114	64	26	150	303	42	2"																																																																																																												
Φ75X2-1/2"	128	76	30	162	365	60	2-1/2"																																																																																																												
Φ90X3"	152	91	33	175	420	67	3"																																																																																																												
Φ110X4"	182	111	38	225	482	92	4"																																																																																																												
	MALE ELBOW SWD3129		<table><tr><th>SIZE</th><th>D</th><th>d</th><th>d1</th><th>W</th><th>L</th><th>G</th></tr><tr><td>Φ20X1/2"</td><td>44</td><td>21</td><td>14</td><td>83</td><td>14</td><td>1/2"</td></tr><tr><td>Φ20X3/4"</td><td>44</td><td>21</td><td>17.5</td><td>85</td><td>16</td><td>3/4"</td></tr><tr><td>Φ25X1/2"</td><td>56</td><td>26</td><td>14</td><td>98</td><td>14</td><td>1/2"</td></tr><tr><td>Φ25X3/4"</td><td>56</td><td>26</td><td>17.5</td><td>100</td><td>16</td><td>3/4"</td></tr><tr><td>Φ32X3/4"</td><td>65</td><td>33</td><td>17.5</td><td>110</td><td>16</td><td>3/4"</td></tr><tr><td>Φ32X1"</td><td>65</td><td>33</td><td>23</td><td>114</td><td>19</td><td>1"</td></tr><tr><td>Φ40X1-1/4"</td><td>80</td><td>41</td><td>31.5</td><td>132</td><td>21</td><td>1-1/4"</td></tr><tr><td>Φ50X1-1/2"</td><td>92</td><td>51</td><td>32</td><td>160</td><td>21</td><td>1-1/2"</td></tr><tr><td>Φ63X2"</td><td>114</td><td>64</td><td>42</td><td>190</td><td>26</td><td>2"</td></tr><tr><td>Φ75X2-1/2"</td><td>128</td><td>76</td><td>60</td><td>230</td><td>30</td><td>2-1/2"</td></tr><tr><td>Φ90X3"</td><td>152</td><td>91</td><td>67</td><td>260</td><td>33</td><td></td></tr><tr><td>Φ110X4"</td><td>182</td><td>111</td><td>92</td><td>300</td><td>38</td><td></td></tr></table>	SIZE	D	d	d1	W	L	G	Φ20X1/2"	44	21	14	83	14	1/2"	Φ20X3/4"	44	21	17.5	85	16	3/4"	Φ25X1/2"	56	26	14	98	14	1/2"	Φ25X3/4"	56	26	17.5	100	16	3/4"	Φ32X3/4"	65	33	17.5	110	16	3/4"	Φ32X1"	65	33	23	114	19	1"	Φ40X1-1/4"	80	41	31.5	132	21	1-1/4"	Φ50X1-1/2"	92	51	32	160	21	1-1/2"	Φ63X2"	114	64	42	190	26	2"	Φ75X2-1/2"	128	76	60	230	30	2-1/2"	Φ90X3"	152	91	67	260	33		Φ110X4"	182	111	92	300	38																						
SIZE	D	d	d1	W	L	G																																																																																																													
Φ20X1/2"	44	21	14	83	14	1/2"																																																																																																													
Φ20X3/4"	44	21	17.5	85	16	3/4"																																																																																																													
Φ25X1/2"	56	26	14	98	14	1/2"																																																																																																													
Φ25X3/4"	56	26	17.5	100	16	3/4"																																																																																																													
Φ32X3/4"	65	33	17.5	110	16	3/4"																																																																																																													
Φ32X1"	65	33	23	114	19	1"																																																																																																													
Φ40X1-1/4"	80	41	31.5	132	21	1-1/4"																																																																																																													
Φ50X1-1/2"	92	51	32	160	21	1-1/2"																																																																																																													
Φ63X2"	114	64	42	190	26	2"																																																																																																													
Φ75X2-1/2"	128	76	60	230	30	2-1/2"																																																																																																													
Φ90X3"	152	91	67	260	33																																																																																																														
Φ110X4"	182	111	92	300	38																																																																																																														
	FEMALE ADAPTOR SWD3130		<table><tr><th>Size</th><th>D</th><th>d</th><th>D1</th><th>L</th><th>h</th></tr><tr><td>Φ32X1"</td><td>63</td><td>33</td><td>44.7</td><td>21</td><td>90</td></tr><tr><td>Φ40X1 1/4"</td><td>74</td><td>41</td><td>54</td><td>23</td><td>110</td></tr><tr><td>Φ50X1-1/2"</td><td>85</td><td>51</td><td>58</td><td>25</td><td>113</td></tr><tr><td>Φ63X2"</td><td>105</td><td>64</td><td>72</td><td>30</td><td>134</td></tr><tr><td>Φ75X2-1/2</td><td>118</td><td>76</td><td>88</td><td>32</td><td>149</td></tr><tr><td>Φ90X3"</td><td>145</td><td>91</td><td>102</td><td>36</td><td>185</td></tr></table>	Size	D	d	D1	L	h	Φ32X1"	63	33	44.7	21	90	Φ40X1 1/4"	74	41	54	23	110	Φ50X1-1/2"	85	51	58	25	113	Φ63X2"	105	64	72	30	134	Φ75X2-1/2	118	76	88	32	149	Φ90X3"	145	91	102	36	185																																																																						
Size	D	d	D1	L	h																																																																																																														
Φ32X1"	63	33	44.7	21	90																																																																																																														
Φ40X1 1/4"	74	41	54	23	110																																																																																																														
Φ50X1-1/2"	85	51	58	25	113																																																																																																														
Φ63X2"	105	64	72	30	134																																																																																																														
Φ75X2-1/2	118	76	88	32	149																																																																																																														
Φ90X3"	145	91	102	36	185																																																																																																														

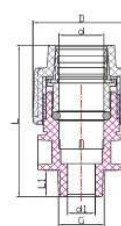


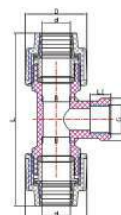
PP COMPRESSION FITTINGS (PN16)

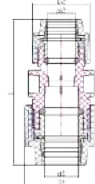
	REDUCING COUPLING SWD4131		SIZE	D2	d1	d2	D1	L
			Φ25X20	44	26	21	56	117
			Φ32X20	44	33	21	65	129
			Φ32X25	56	33	26	65	143
			Φ40X20	44	41	21	80	163
			Φ40X25	56	41	26	80	168
			Φ40X32	65	41	33	80	174
			Φ50X25	56	51	26	92	180
			Φ50X32	62	51	33	92	188
			Φ50X40	80	51	41	92	207
			Φ63X25	56	64	26	114	194
			Φ63X32	65	64	33	114	204
			Φ63X40	80	64	41	114	214
			Φ63X50	92	64	51	114	227
			Φ75X50	92	76	51	128	251

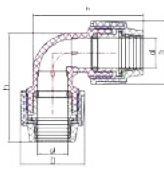
	REDUCING TEE SWD4132		SIZE	D1	D2	d1	d2	L	W
			Φ25x20x25	56	44	26	21	158	93
			Φ32x20x32	65	44	33	21	181	101
			Φ32x25x32	65	56	33	26	189	105
			Φ40x25x40	80	56	41	26	228	120
			Φ40x32x40	80	65	41	33	239	123
			Φ50x25x50	92	56	51	26	254	155
			Φ50x32x50	92	80	51	33	262	160
			Φ50x40x50	92	80	51	41	265	165
			Φ63x50x63	114	92	64	51	303	185
			Φ75x63x75	128	114	76	64	365	225
			Φ90x63x90	152	114	91	64	420	250
			Φ90x75x90	152	128	91	76	420	270
			Φ110x90x110	182	152	111	91	486	310

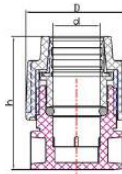
	FEMALE ELBOW SWD4133		SIZE	D	d	D1	W	L	G
			Φ20x1/2"	44	21	31.6	83	16	1/2"
			Φ20x3/4"	44	21	38.6	85	19	3/4"
			Φ25x1/2"	56	26	31.6	98	16	1/2"
			Φ25x3/4"	56	26	38.6	100	19	3/4"
			Φ32x3/4"	65	33	38.6	110	19	3/4"
			Φ32x1"	65	33	47.4	114	22	1"
			Φ40x1"	80	41	47.4	132	22	1"
			Φ40x1-1/4"	80	41	62	132	24	1-1/4"
			Φ50x1-1/2"	92	51	67	160	24	1-1/2"
			Φ63x2"	114	64	81.2	190	28	2"
			Φ75x2-1/2"	128	76	105	230	33	2-1/2"
			Φ90x3"	152	91	125	260	35	3"
			Φ110x4"	182	111	157	300	40	4"

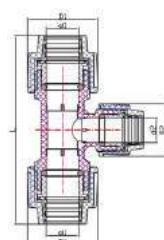
	MALE ADAPTOR SWD4134		SIZE	D	d	d1	L	L1
			Φ20x1/2"	44	21	14	75	14
			Φ20x3/4"	44	21	17.5	75	16
			Φ25x1/2"	56	26	14	92	14
			Φ25x3/4"	56	26	17.5	92	16
			Φ25x1"	56	26	23	92	19
			Φ32x3/4"	65	33	17.5	104	16
			Φ32x1"	65	33	23	104	19
			Φ32x1-1/4"	65	33	31.5	104	21
			Φ40x1"	80	41	23	135	21
			Φ40x1-1/4"	80	41	31.5	135	21
			Φ50x1-1/2"	92	51	32	148	21
			Φ50x2"	92	51	42	148	26
			Φ63x1-1/2"	114	64	32	158	21
			Φ63x2"	114	64	42	158	26

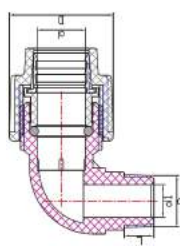
	FEMALE TEE SWD4135		SIZE	D	d	D1	L1	L
			Φ20x1/2"	44	21	31.6	16	125
			Φ20x3/4"	44	21	38.6	19	125
			Φ25x1/2"	56	26	31.6	16	158
			Φ25x3/4"	56	26	38.6	19	158
			Φ32x3/4"	65	33	38.6	19	189
			Φ32x1"	65	33	47.4	22	189
			Φ40x1-1/4"	80	41	62	24	239
			Φ50x1-1/2"	92	51	67	24	262
			Φ63x2"	114	64	81.2	28	303
			Φ75x2-1/2"	128	76	105	33	365
			Φ90x3	152	91	126	35	420
			Φ110x4	182	111	157	40	482

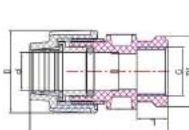
	COUPLING SWD4125		SIZE	D	d	L	PN
			Φ20	44	21	100	16
			Φ25	56	26	130	16
			Φ32	65	33	150	16
			Φ40	80	41	195	16
			Φ50	92	51	218	16
			Φ63	114	64	235	16
			Φ75	128	76	280	16
			Φ90	152	91	315	16
			Φ110	182	111	360	16

	ELBOW SWD4126		SIZE	D	d	H	PN
			Φ20	44	21	76	16
			Φ25	56	26	96	16
			Φ32	65	33	116	16
			Φ40	80	41	145	16
			Φ50	92	51	165	16
			Φ63	114	64	195	16
			Φ75	128	76	231	16
			Φ90	152	91	267	16
			Φ110	182	111	315	16

	PLUG SWD4127		SIZE	D	d	H	PN
			Φ20	44	21	76	16
			Φ25	56	26	96	16
			Φ32	65	33	116	16
			Φ40	80	41	145	16
			Φ50	92	51	165	16
			Φ63	114	64	195	16
			Φ75	128	76	231	16
			Φ90	152	91	267	16
			Φ110	182	111	315	16

	MALE TEE SWD4128		SIZE	D	d	L1	W	L	d1	R
			Φ20x1/2"	44	21	14	68	125	14	1/2"
			Φ20x3/4"	44	21	16	70	125	17.5	3/4"
			Φ25x1/2"	56	26	14	78	158	14	1/2"
			Φ25x3/4"	56	26	16	78	158	17.5	3/4"
			Φ25x1"	56	26	19	78	158	23	1"
			Φ32x3/4"	65	33	16	91	189	17.5	3/4"
			Φ32x1"	65	33	19	93	189	23	1"
			Φ40x1-1/4"	80	41	21	100	239	31.5	1-1/4"
			Φ50x1-1/2"	92	51	21	125	262	32	1-1/2"
			Φ63x2"	114	64	26	150	303	42	2"
			Φ75x2-1/2"	128	76	30	162	365	60	2-1/2"
			Φ90x3"	152	91	33	175	420	67	3"
			Φ110x4"	182	111	38	225	482	92	4"

	MALE ELBOW SWD4129		SIZE	D	d	d1	W	L	G
			Φ20x1/2"	44	21	14	83	14	1/2"
			Φ20x3/4"	44	21	17.5	85	16	3/4"
			Φ25x1/2"	56	26	14	98	14	1/2"
			Φ25x3/4"	56	26	17.5	100	16	3/4"
			Φ32x3/4"	65	33	17.5	110	16	3/4"
			Φ32x1"	65	33	23	114	19	1"
			Φ40x1-1/4"	80	41	31.5	132	21	1-1/4"
			Φ50x1-1/2"	92	51	32	160	21	1-1/2"
			Φ63x2"	114	64	42	190	26	2"
			Φ75x2-1/2"	128	76	60	230	30	2-1/2"
			Φ90x3"	152	91	67	260	33	
			Φ110x4"	182	111	92	300	38	

	FEMALE ADAPTOR SWD4130		Size	D	d	D1	L	h
			Φ32x1"	63	33	44.7	21	90
			Φ40x1 1/4"	74	41	54	23	110
			Φ50x1-1/2"	85	51	58	25	113
			Φ63x2"	105	64	72	30	134
			Φ75x2-1/2	118	76	88	32	149
Φ90x3"	145	91	102	36	185			



PP COMPRESSION FITTINGS (PN16)

	COUPLING SWD6125	SIZE	D	d	L	PN
		Φ20	44	21	100	16
		Φ25	56	26	130	16
		Φ32	65	33	150	16
		Φ40	80	41	195	16
		Φ50	92	51	218	16
		Φ63	114	64	235	16
		Φ75	128	76	280	16
		Φ90	152	91	315	16
		Φ110	182	111	360	16

	ELBOW SWD6126	SIZE	D	d	H	PN
		Φ20	44	21	76	16
		Φ25	56	26	96	16
		Φ32	65	33	116	16
		Φ40	80	41	145	16
		Φ50	92	51	165	16
		Φ63	114	64	195	16
		Φ75	128	76	231	16
		Φ90	152	91	267	16
		Φ110	182	111	315	16

	PLUG SWD6127	SIZE	D	d	H	PN
		Φ20	44	21	76	16
		Φ25	56	26	96	16
		Φ32	65	33	116	16
		Φ40	80	41	145	16
		Φ50	92	51	165	16
		Φ63	114	64	195	16
		Φ75	128	76	231	16
		Φ90	152	91	267	16
		Φ110	182	111	315	16

	MALE TEE SWD6128	SIZE	D	d	L1	W	L	d1	R
		Φ20x1/2"	44	21	14	68	125	14	1/2"
		Φ20x3/4"	44	21	16	70	125	17.5	3/4 "
		Φ25x1/2"	56	26	14	78	158	14	1/2"
		Φ25x3/4"	56	26	16	78	158	17.5	3/4 "
		Φ25x1"	56	26	19	78	158	23	1"
		Φ32x3/4"	65	33	16	91	189	17.5	3/4 "
		Φ32x1"	65	33	19	93	189	23	1"
		Φ40x1-1/4"	80	41	21	100	239	31.5	1-1/4"
		Φ50x1-1/2"	92	51	21	125	262	32	1-1/2"
		Φ63x2"	114	64	26	150	303	42	2"
		Φ75x2-1/2"	128	76	30	162	365	60	2-1/2"
		Φ90x3"	152	91	33	175	420	67	3"
		Φ110x4"	182	111	38	225	482	92	4"

	MALE ELBOW SWD6129	SIZE	D	d	d1	W	L	G
		Φ20x1/2"	44	21	14	83	14	1/2"
		Φ20x3/4"	44	21	17.5	85	16	3/4 "
		Φ25x1/2"	56	26	14	98	14	1/2"
		Φ25x3/4"	56	26	17.5	100	16	3/4 "
		Φ32x3/4"	65	33	17.5	110	16	3/4 "
		Φ32x1"	65	33	23	114	19	1"
		Φ40x1-1/4"	80	41	31.5	132	21	1-1/4"
		Φ50x1-1/2"	92	51	32	160	21	1-1/2"
		Φ63x2"	114	64	42	190	26	2"
		Φ75x2-1/2"	128	76	60	230	30	2-1/2"
		Φ90x3"	152	91	67	260	33	
		Φ110x4"	182	111	92	300	38	

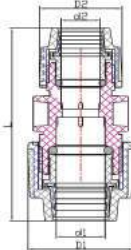
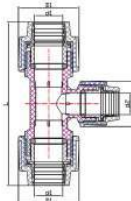
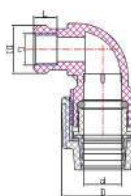
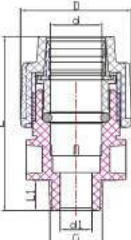
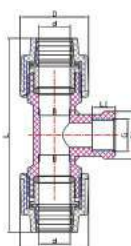
	FEMALE ADAPTOR SWD6130	Size	D	d	D1	L	h
		Φ32x1"	63	33	44.7	21	90
		Φ40x1 1/4"	74	41	54	23	110
		Φ50x1-1/2"	85	51	58	25	113
		Φ63x2"	105	64	72	30	134
		Φ75x2-1/2	118	76	88	32	149
		Φ90x3"	145	91	102	36	185

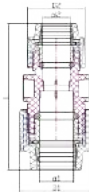


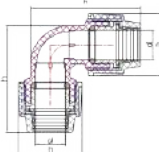
	REDUCING COUPLING SWD6131	SIZE	D2	d1	d2	D1	L			
		Φ25X20	44	26	21	56	117			
		Φ32X20	44	33	21	65	129			
		Φ32X25	56	33	26	65	143			
		Φ40X20	44	41	21	80	163			
		Φ40X25	56	41	26	80	168			
		Φ40X32	65	41	33	80	174			
		Φ50X25	56	51	26	92	180			
		Φ50X32	62	51	33	92	188			
		Φ50X40	80	51	41	92	207			
		Φ63X25	56	64	26	114	194			
		Φ63X32	65	64	33	114	204			
		Φ63X40	80	64	41	114	214			
		Φ63X50	92	64	51	114	227			
		Φ75X50	92	76	51	128	251			
		Φ75X63	114	76	64	128	256			
		Φ90X63	114	91	64	152	275			
		Φ90X75	128	91	76	152	295			
		Φ110X63	114	111	64	182	340			
Φ110X90	152	111	91	182	350					
	REDUCING TEE SWD6132	SIZE	D1	D2	d1	d2	L	W		
		Φ25x20x25	56	44	26	21	158	93		
		Φ32x20x32	65	44	33	21	181	101		
		Φ32x25x32	65	56	33	26	189	105		
		Φ40x25x40	80	56	41	26	228	120		
		Φ40x32x40	80	65	41	33	239	123		
		Φ50x25x50	92	56	51	26	254	155		
		Φ50x32x50	92	80	51	33	262	160		
		Φ50x40x50	92	80	51	41	265	165		
		Φ63x50x63	114	92	64	51	303	185		
		Φ75x63x75	128	114	76	64	365	225		
		Φ90x63x90	152	114	91	64	420	250		
		Φ90x75x90	152	128	91	76	420	270		
		Φ110x90x110	182	152	111	91	486	310		
			FEMALE ELBOW SWD6133	SIZE	D	d	D1	W	L	G
				Φ20x1/2"	44	21	31.6	83	16	1/2"
				Φ20x3/4"	44	21	38.6	85	19	3/4"
				Φ25x1/2"	56	26	31.6	98	16	1/2"
				Φ25x3/4"	56	26	38.6	100	19	3/4"
Φ32x3/4"	65			33	38.6	110	19	3/4"		
Φ32x1"	65			33	47.4	114	22	1"		
Φ40x1"	80			41	47.4	132	22	1"		
Φ40x1-1/4"	80			41	62	132	24	1-1/4"		
Φ50x1-1/2"	92			51	67	160	24	1-1/2"		
Φ63x2"	114			64	81.2	190	28	2"		
Φ75x2-1/2"	128			76	105	230	33	2-1/2"		
Φ90x3"	152			91	125	260	35	3"		
Φ110x4"	182			111	157	300	40	4"		
	MALE ADAPTOR SWD6134			SIZE	D	d	d1	L	L1	
				Φ20x1/2"	44	21	14	75	14	
				Φ20x3/4"	44	21	17.5	75	16	
				Φ25x1/2"	56	26	14	92	14	
				Φ25x3/4"	56	26	17.5	92	16	
		Φ25x1"	56	26	23	92	19			
		Φ32x3/4"	65	33	17.5	104	16			
		Φ32x1"	65	33	23	104	19			
		Φ32x1-1/4"	65	33	31.5	104	21			
		Φ40x1"	80	41	23	135	21			
		Φ40x1-1/4"	80	41	31.5	135	21			
		Φ50x1-1/2"	92	51	32	148	21			
		Φ50x2"	92	51	42	148	26			
		Φ63x1-1/2"	114	64	32	158	21			
		Φ63x2"	114	64	42	158	26			
		Φ63x2-1/2"	114	64	60	158	30			
		Φ75x2-1/2"	128	76	60	186	30			
		Φ90x3"	152	91	67	205	33			
		Φ110x4"	182	111	92	226	38			
	FEMALE TEE SWD6135	SIZE	D	d	D1	L1	L			
		Φ20x1/2"	44	21	31.6	16	125			
		Φ20x3/4"	44	21	38.6	19	125			
		Φ25x1/2"	56	26	31.6	16	158			
		Φ25x3/4"	56	26	38.6	19	158			
		Φ32x3/4"	65	33	38.6	19	189			
		Φ32x1"	65	33	47.4	22	189			
		Φ40x1-1/4"	80	41	62	24	239			
		Φ50x1-1/2"	92	51	67	24	262			
		Φ63x2"	114	64	81.2	28	303			
		Φ75x2-1/2"	128	76	105	33	365			
		Φ90x3"	152	91	126	35	420			
		Φ110x4"	182	111	157	40	482			

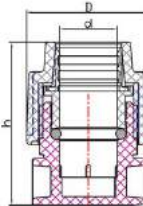


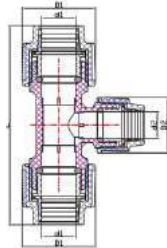
PP COMPRESSION FITTINGS (PN10)

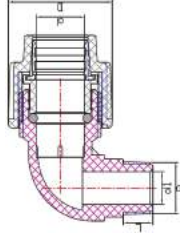
	REDUCING COUPLING SWD5131		SIZE	D2	d1	d2	D1	L	
			Φ25X20	44	26	21	56	117	
			Φ32X20	44	33	21	65	129	
			Φ32X25	56	33	26	65	143	
			Φ40X20	44	41	21	80	163	
			Φ40X25	56	41	26	80	168	
			Φ40X32	65	41	33	80	174	
			Φ50X25	56	51	26	92	180	
			Φ50X32	62	51	33	92	188	
			Φ50X40	80	51	41	92	207	
			Φ63X25	56	64	26	114	194	
			Φ63X32	65	64	33	114	204	
			Φ63X40	80	64	41	114	214	
	REDUCING TEE SWD5132		SIZE	D1	D2	d1	d2	L	W
			Φ25x20x25	56	44	26	21	158	93
			Φ32x20x32	65	44	33	21	181	101
			Φ32x25x32	65	56	33	26	189	105
			Φ40x25x40	80	56	41	26	228	120
			Φ40x32x40	80	65	41	33	239	123
			Φ50x25x50	92	56	51	26	254	155
			Φ50x32x50	92	80	51	33	262	160
			Φ50x40x50	92	80	51	41	265	165
			Φ63x50x63	114	92	64	51	303	185
			Φ75x63x75	128	114	76	64	365	225
			Φ90x63x90	152	114	91	64	420	250
			Φ90x75x90	152	128	91	76	420	270
Φ110x90x110	182	152	111	91	486	310			
	FEMALE ELBOW SWD5133		SIZE	D	d	D1	W	L	G
			Φ20x1/2"	44	21	31.6	83	16	1/2"
			Φ20x3/4"	44	21	38.6	85	19	3/4"
			Φ25x1/2"	56	26	31.6	98	16	1/2"
			Φ25x3/4"	56	26	38.6	100	19	3/4"
			Φ32x3/4"	65	33	38.6	110	19	3/4"
			Φ32x1"	65	33	47.4	114	22	1"
			Φ40x1"	80	41	47.4	132	22	1"
			Φ40x1-1/4"	80	41	62	132	24	1-1/4"
			Φ50x1-1/2"	92	51	67	160	24	1-1/2"
			Φ63x2"	114	64	81.2	190	28	2"
			Φ75x2-1/2"	128	76	105	230	33	2-1/2"
			Φ90x3"	152	91	125	260	35	3"
Φ110x4"	182	111	157	300	40	4"			
	MALE ADAPTOR SWD5134		SIZE	D	d	d1	L	L1	
			Φ20x1/2"	44	21	14	75	14	
			Φ20x3/4"	44	21	17.5	75	16	
			Φ25x1/2"	56	26	14	92	14	
			Φ25x3/4"	56	26	17.5	92	16	
			Φ25x1"	56	26	23	92	19	
			Φ32x3/4"	65	33	17.5	104	16	
			Φ32x1"	65	33	23	104	19	
			Φ32x1-1/4"	65	33	31.5	104	21	
			Φ40x1"	80	41	23	135	21	
			Φ40x1-1/4"	80	41	31.5	135	21	
			Φ50x1-1/2"	92	51	32	148	21	
			Φ50x2"	92	51	42	148	26	
Φ63x1-1/2"	114	64	32	158	21				
Φ63x2"	114	64	42	158	26				
Φ63x2-1/2"	114	64	60	158	30				
Φ75x2-1/2"	128	76	60	186	30				
Φ90x3"	152	91	67	205	33				
Φ110x4"	182	111	92	226	38				
	FEMALE TEE SWD5135		SIZE	D	d	D1	L1	L	
			Φ20x1/2"	44	21	31.6	16	125	
			Φ20x3/4"	44	21	38.6	19	125	
			Φ25x1/2"	56	26	31.6	16	158	
			Φ25x3/4"	56	26	38.6	19	158	
			Φ32x3/4"	65	33	38.6	19	189	
			Φ32x1"	65	33	47.4	22	189	
			Φ40x1-1/4"	80	41	62	24	239	
			Φ50x1-1/2"	92	51	67	24	262	
			Φ63x2"	114	64	81.2	28	303	
			Φ75x2-1/2"	128	76	105	33	365	
			Φ90x3"	152	91	126	35	420	
			Φ110x4"	182	111	157	40	482	

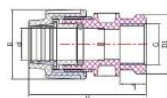
	COUPLING SWD5125		SIZE	D	d	L	PN
			Φ20	44	21	100	16
			Φ25	56	26	130	16
			Φ32	65	33	150	16
			Φ40	80	41	195	16
			Φ50	92	51	218	16
			Φ63	114	64	235	16
			Φ75	128	76	280	16
			Φ90	152	91	315	16
			Φ110	182	111	360	16

	ELBOW SWD5126		SIZE	D	d	H	PN
			Φ20	44	21	76	16
			Φ25	56	26	96	16
			Φ32	65	33	116	16
			Φ40	80	41	145	16
			Φ50	92	51	165	16
			Φ63	114	64	195	16
			Φ75	128	76	231	16
			Φ90	152	91	267	16
			Φ110	182	111	315	16

	PLUG SWD5127		SIZE	D	d	H	PN
			Φ20	44	21	76	16
			Φ25	56	26	96	16
			Φ32	65	33	116	16
			Φ40	80	41	145	16
			Φ50	92	51	165	16
			Φ63	114	64	195	16
			Φ75	128	76	231	16
			Φ90	152	91	267	16
			Φ110	182	111	315	16

	MALE TEE SWD5128		SIZE	D	d	L1	W	L	d1	R
			Φ20x1/2"	44	21	14	68	125	14	1/2"
			Φ20x3/4"	44	21	16	70	125	17.5	3/4 "
			Φ25x1/2"	56	26	14	78	158	14	1/2"
			Φ25x3/4"	56	26	16	78	158	17.5	3/4 "
			Φ25x1"	56	26	19	78	158	23	1"
			Φ32x3/4"	65	33	16	91	189	17.5	3/4"
			Φ32x1"	65	33	19	93	189	23	1"
			Φ40x1-1/4"	80	41	21	100	239	31.5	1-1/4"
			Φ50x1-1/2"	92	51	21	125	262	32	1-1/2"
			Φ63x2"	114	64	26	150	303	42	2"
			Φ75*2-1/2"	128	76	30	162	365	60	2-1/2"
			Φ90*3"	152	91	33	175	420	67	3"
			Φ110*4"	182	111	38	225	482	92	4"

	MALE ELBOW SWD5129		SIZE	D	d	d1	W	L	G
			Φ20x1/2"	44	21	14	83	14	1/2"
			Φ20x3/4"	44	21	17.5	85	16	3/4 "
			Φ25x1/2"	56	26	14	98	14	1/2"
			Φ25x3/4"	56	26	17.5	100	16	3/4 "
			Φ32x3/4"	65	33	17.5	110	16	3/4 "
			Φ32x1"	65	33	23	114	19	1"
			Φ40x1-1/4"	80	41	31.5	132	21	1-1/4"
			Φ50x1-1/2"	92	51	32	160	21	1-1/2"
			Φ63x2"	114	64	42	190	26	2"
			Φ75x2-1/2"	128	76	60	230	30	2-1/2"
			Φ90x3"	152	91	67	260	33	
			Φ110x4"	182	111	92	300	38	

	FEMALE ADAPTOR SWD5130		Size	D	d	D1	L	h
			Φ32x1"	63	33	44.7	21	90
			Φ40x1 1/4"	74	41	54	23	110
			Φ50x1-1/2"	85	51	58	25	113
			Φ63x2"	105	64	72	30	134
			Φ75x2-1/2"	118	76	88	32	149
			Φ90x3"	145	91	102	36	185



PPR PIPES & FITTINGS & VALVES

	PPR PIPES SWD7125	Size			
		PN12.5	PN16	PN20	PN25
		Φ20 x 2.0	Φ20 x 2.3	Φ20 x 2.8	Φ20 x 3.4
		Φ25 x 2.3	Φ25 x 2.8	Φ25 x 3.5	Φ25 x 4.2
		Φ32 x 3.0	Φ32 x 3.6	Φ32 x 4.4	Φ32 x 5.4
		Φ40 x 3.7	Φ40 x 4.5	Φ40 x 5.5	Φ40 x 6.7
		Φ50 x 4.6	Φ50 x 5.6	Φ50 x 6.9	Φ50 x 8.3
		Φ63 x 5.8	Φ63 x 7.1	Φ63 x 8.7	Φ63 x 10.5
		Φ75 x 6.9	Φ75 x 8.4	Φ75 x 10.3	Φ75 x 12.5
		Φ90 x 8.2	Φ90 x 10.1	Φ90 x 12.3	Φ90 x 15.0
		Φ110 x 10	Φ110 x 12.3	Φ110 x 15.1	Φ110 x 18.3

	PPR 90° ELBOW SWD7126	Size	
		20	63
		25	75
		32	90
		40	110
		50	

	PPR 45° ELBOW SWD7132	Size	
		20	63
		25	75
		32	90
		40	110
		50	

	PPR MALE TEE SWD7127	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR EQUAL TEE SWD7133	Size		
		20	40	75
		25	50	90
		32	63	110

	PPR END CAP SWD7134	Size		
		20	40	75
		25	50	90
		32	63	110

	PPR REDUCING COUPLING SWD7135	Size		
		S25 × 20	S63 × 20	S75 × 63
		S32 × 20	S63 × 25	S90 × 63
		S32 × 25	S63 × 32	S90 × 75
		S40 × 20	S63 × 40	S110 × 63
		S40 × 25	S63 × 50	S110 × 75
		S50 × 20	S75 × 32	S110 × 90
		S50 × 25	S75 × 40	
		S50 × 40	S75 × 50	

	PPR FEMALE TEE SWD7128	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR COUPLING SWD7129	Size	
		S20	S63
		S25	S75
		S32	S90
		S40	S110
		S50	

	PPR FEMALE ADAPTOR SWD7130	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR MALE ADAPTOR SWD7136	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR FEMALE ELBOW SWD7131	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR MALE ELBOW SWD7136	Size	
		20×1/2"	32×3/4"
		20×3/4"	32×1"
		25×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1/2"	63×2"

	PPR BALL VALVE SWD7137	Size	
		20	
		25	
		32	
		40	
		50	
63			

	PPR STOP GATE VALVE SWD7144	Size	
		20	
		25	
		32	
		40	
		50	
63			

	PPR SWAN NECK SWD7138	Size	
		20	
		25	
		32	

	PPR PLUG SWD7145	Size	
		1/2"	
		3/4"	
		1"	

	STOP VALVE SWD7139	Size	
		20	63
		25	75
		32	90
		40	110
		50	

	FEMALE UNION SWD7146	Size	
		20×1/2"	40×1-1/4"
		25×3/4"	50×1-1/2"
		32×1"	63×2"

	FEMALE ELBOW WALL PLATE SWD71407	Size	
		20×1/2"	
		25×1/2"	
		25×3/4"	

	PPR Union SWD7140	Size	
		20	
		25	
		32	
		40	
		50	
63			

	PPR CROSS TEE SWD7148	Size	
		20	40
		25	50
		32	63

	PPR STOP GATE VALVE SWD7141	Size	
		20	
		25	
		32	
		40	
		50	
63			

	STAEEL BALL VALVE SWD7142	Size	
		20	
		25	
		32	
		40	
		50	
		63	

	PPR REDUCING TEE SWD7143	Size			
		T25 × 20 × 25	T50 × 25 × 50	T63 × 50 × 63	T90 × 63 × 90
		T32 × 20 × 32	T50 × 32 × 50	T75 × 32 × 75	T90 × 75 × 90
		T32 × 25 × 32	T50 × 40 × 50	T75 × 40 × 75	T110 × 63 × 110
		T40 × 20 × 40	T63 × 20 × 63	T75 × 50 × 75	T110 × 75 × 110
		T40 × 25 × 40	T63 × 25 × 63	T75 × 63 × 75	T110 × 90 × 110
		T40 × 32 × 40	T63 × 32 × 63	T90 × 40 × 90	
		T50 × 20 × 50	T63 × 40 × 63	T90 × 50 × 90	

	DOUBLE UNION BALL VALVE SWD7149	Size	
		20	40
		25	50
		32	63

	PPR FEMALE UNION BALL VALVE SWD7150	Size	
		20×15	32×20
		25×20	

	PPR MALE UNION BALL VALVE SWD7151	Size	
		20×15	32×20
		25×20	



HDPE ELECTROFUSION FITTINGS

	HDPE ELECTROFUSION COUPLER SWD0235	Size			
		20	90	225	630
		25	110	250	
		32	125	315	
		40	140	355	
		50	160	400	
		63	180	500	
		75	200	560	

	HDPE ELECTROFUSION 45° ELBOW SWD0236	Size	
		50 x 45"	315 x 45"
		63 x 45"	400 x 45"
		90 x 45"	
		110 x 45"	
		160 x 45"	
		200 x 45"	
		250 x 45"	

	HDPE ELECTROFUSION 90° ELBOW SWD0237	Size	
		25 x 90"	110 x 90"
		32 x 90"	125 x 90"
		40 x 90"	160 x 90"
		50 x 90"	180 x 90"
		63 x 90"	200 x 90"
		75 x 90"	250 x 90"
		90 x 90"	315 x 90"

	HDPE ELECTROFUSION EQUAL TEE SWD0238	Size	
		20x20x20	90 x 90 x 90
		25 x 25 x 25	110 x 110 x 110
		32 x 32 x 32	125 x 125 x 125
		40 x 40 x 40	160 x 160 x 160
		50 x 50 x 50	180 x 180 x 180
		63 x 63 x 63	200 x 200 x 200
		75 x 75 x 75	250 x 250 x 250

	HDPE ELECTROFUSION REDUCING TEE SWD0239	Size							
		25 x 20 x 25	50 x 40 x 50	75 x 50 x 75	110 x 32 x 110	125 x 110 x 125	200 x 110 x 200	315 x 200 x 315	
		32 x 20 x 32	63 x 25 x 63	75 x 63 x 75	110 x 40 x 110	160 x 63 x 160	200 x 160 x 200	315 x 250 x 315	
		32 x 25 x 32	63 x 32 x 63	90 x 32 x 90	110 x 50 x 110	160 x 75 x 160	250 x 110 x 250	400 x 110 x 400	
		40 x 25 x 40	63 x 40 x 63	90 x 40 x 90	110 x 63 x 110	160 x 90 x 160	250 x 160 x 250	400 x 160 x 400	
		40 x 32 x 40	63 x 50 x 63	90 x 50 x 90	110 x 75 x 110	160 x 110 x 160	250 x 200 x 250	400 x 200 x 400	
		50 x 25 x 50	75 x 32 x 75	90 x 63 x 90	110 x 90 x 110	160 x 125 x 160	315 x 110 x 315	400 x 250 x 400	
		50 x 32 x 50	75 x 40 x 75	90 x 75 x 90	125 x 90 x 125	200 x 90 x 200	315 x 160 x 315	400 x 315 x 400	

	HDPE ELECTROFUSION END CAP SWD0240	Size	
		32	40
		50	63
		90	110

	HDPE ELECTROFUSION REPAIR SADDLE SWD0241	Size	
		90	110
		200	250
		315	

	HDPE ELECTROFUSION REDUCER SWD0242	Size				
		25 x 20	50 x 40	90 x 50	125 x 90	250 x 110
		32 x 20	63 x 25	90 x 63	125 x 110	250 x 160
		32 x 25	63 x 32	90 x 75	160 x 90	250 x 200
		40 x 25	63 x 40	110 x 63	160 x 110	315 x 200
		40 x 32	63 x 50	110 x 75	160 x 125	315 x 250
		50 x 25	75 x 50	110 x 90	200 x 110	400 x 250
		50 x 32	75 x 63	125 x 63	200 x 160	400 x 315

	HDPE ELECTROFUSION TAPPING SADDLE SWD0243	Size		
		63 x 25	110 x 25	200 x 63
		63 x 32	110 x 32	200 x 90
		90 x 25	110 x 50	250 x 63
		90 x 50	110 x 63	250 x 90
		90 x 63	160 x 63	315 x 63
		110 x 20	160 x 90	315 x 90

	HDPE ELECTROFUSION TAPPING SADDLE SWD0244	Size	
		63 x 32	200 x 63
		90 x 63	200 x 90
		110 x 32	250 x 63
		110 x 63	250 x 90
		160 x 63	315 x 63
		160 x 90	315 x 90

HDPE BUTT FUSION FITTINGS

	HDPE BUTT FUSION REDUCER SWD0245	Size				
		63 x 25	90 x 32	110 x 63	140 x 90	160 x 125
		63 x 32	90 x 40	110 x 75	140 x 110	180 x 90
		63 x 40	90 x 50	110 x 90	160 x 32	180 x 110
		63 x 50	90 x 63	125 x 63	160 x 63	180 x 125
		75 x 32	90 x 75	125 x 75	160 x 75	180 x 160
		75 x 50	110 x 40	125 x 90	160 x 90	200 x 63
		75 x 63	110 x 50	125 x 110	160 x 110	

	HDPE BUTT FUSION END CAP SWD0246	Size		
		20	90	250
		25	110	280
		32	125	315
		40	160	400
		50	180	500
		63	200	630
		75	225	

	HDPE BUTT FUSION REDUCING TEE SWD0247	Size					
		50 x 32 x 50	110 x 32 x 110	160 x 90 x 160	200 x 160 x 200	280 x 160 x 280	450 x 315 x 450
		63 x 25 x 63	110 x 40 x 110	160 x 110 x 160	225 x 90 x 225	280 x 225 x 280	450 x 400 x 450
		63 x 32 x 63	110 x 50 x 110	160 x 125 x 160	225 x 110 x 225	315 x 90 x 315	500 x 125 x 500
		63 x 40 x 63	110 x 63 x 110	160 x 140 x 160	225 x 160 x 225	315 x 110 x 315	500 x 160 x 500
		63 x 50 x 63	110 x 75 x 110	180 x 90 x 180	225 x 180 x 225	315 x 160 x 315	500 x 250 x 500
		75 x 32 x 75	110 x 90 x 110	180 x 110 x 180	250 x 90 x 250	315 x 180 x 315	500 x 315 x 500
		75 x 40 x 75	125 x 63 x 125	180 x 125 x 180	250 x 110 x 250	315 x 200 x 315	500 x 400 x 500
		75 x 50 x 75	125 x 75 x 125	180 x 140 x 180	250 x 125 x 250	315 x 225 x 315	560 x 160 x 560
		75 x 63 x 75	125 x 90 x 125	180 x 160 x 180	250 x 160 x 250	315 x 250 x 315	560 x 250 x 560
		90 x 32 x 90	125 x 110 x 125	200 x 63 x 200	250 x 180 x 250	315 x 280 x 315	560 x 355 x 560
		90 x 40 x 90	140 x 110 x 140	200 x 75 x 200	250 x 200 x 250	400 x 200 x 400	560 x 400 x 560
		90 x 50 x 90	140 x 125 x 140	200 x 90 x 200	280 x 90 x 280	400 x 250 x 400	630 x 400 x 630
		90 x 63 x 90	160 x 63 x 160	200 x 110 x 200	280 x 110 x 280	400 x 315 x 400	630 x 500 x 630
		90 x 75 x 90	160 x 75 x 160	200 x 125 x 200	280 x 125 x 280	400 x 355 x 400	

	HDPE BUTT FUSION EQUAL TEE SWD0248	Size		
		50 x 50 x 50	160 x 160 x 160	355 x 355 x 355
		63 x 63 x 63	180 x 180 x 180	400 x 400 x 400
		75 x 75 x 75	200 x 200 x 200	450 x 450 x 450
		90 x 90 x 90	225 x 225 x 225	500 x 500 x 500
		110 x 110 x 110	250 x 250 x 250	560 x 560 x 560
		125 x 125 x 125	280 x 280 x 280	630 x 630 x 630
		140 x 140 x 140	315 x 315 x 315	

	HDPE BUTT FUSION 90° ELBOW SWD0249	Size		
		50	160	355
		63	180	400
		75	200	450
		90	225	500
		110	250	560
		125	280	630
		140	315	

	HDPE BUTT FUSION 45° ELBOW SWD0250	Size		
		63	200	450
		75	225	500
		90	250	560
		110	280	630
		125	315	
		160	355	
		180	400	

	HDPE BUTT FUSION FLANGE ADAPTOR (STUB END) SWD0251	Size			
		20	90	225	450/B
		25	110	250	450/C
		32	125	280	500
		40	140	315	560/A
		50	160	355	560/B
		63	180	400	560/C
		75	200	450/A	

	HDPE BUTT FUSION FLANGE ADAPTOR (SHORT NECK) SWD0252	Size	
		63	180
		75	200
		90	225
		110	250
		125	280
		140	315
		160	

	HDPE BUTT FUSION FLANGE ADAPTOR (LONG NECK) SWD0253	Size	
		63	180
		75	200
		90	225
		110	250
		125	280
		140	315
		160	

	HDPE CROSS SWD0254	Size	
		63	
		90	
		110	
		160	
		200	
		250	
		315	



HDPE PIPES



"Outside Diameter OD dn(mm)"	SDR26	SDR21	SDR17	SDR13.6	SDR11	SDR9	SDR7.4
	0.6MPa	0.8MPa "Wall Thickness mm"	1.0MPa "Wall Thickness mm"	1.25MPa "Wall Thickness mm"	1.6MPa "Wall Thickness mm"	2.0MPa "Wall Thickness mm"	2.5MPa "Wall Thickness mm"
20					2	2.3	3
25				2	2.3	3	3.5
32				2.4	3	3.6	4.4
40				3	3.7	4.5	5.5
50			3	3.7	4.6	5.6	6.9
63			3.8	4.7	5.8	7.1	8.6
75			4.5	5.6	6.8	8.4	10.3
90		4.3	5.4	6.7	8.2	10.1	12.3
110	4.2	5.3	6.6	8.1	10	12.3	15.1
125	4.8	6	7.4	9.2	11.4	14	17.1
140	5.4	6.7	8.3	10.3	12.7	15.7	19.2
160	6.2	7.7	9.5	11.8	14.6	17.9	21.9
180	6.9	8.6	10.7	13.3	16.4	20.1	24.6
200	7.7	9.6	11.9	14.7	18.2	22.4	27.4
225	8.6	10.8	13.4	16.6	20.5	25.2	30.8
250	9.6	11.9	14.8	18.4	22.7	27.9	34.2
280	10.7	13.4	16.6	20.6	25.4	31.3	38.3
315	12.1	15	18.7	23.2	28.6	35.2	43.1
355	13.6	16.9	21.1	26.1	32.2	39.7	48.5
400	15.3	19.1	23.7	29.4	36.3	44.7	54.7
450	17.2	21.5	26.7	33.1	40.9	50.3	61.5
500	19.1	23.9	29.7	36.8	45.4	55.8	
560	21.4	26.7	33.2	41.2	50.8	62.5	
630	24.1	30	37.4	46.3	57.2	70.3	
710	27.2	33.9	42.1	52.2	64.5	79.3	
800	30.6	38.1	47.4	58.8	72.6	89.3	
900	34.4	42.9	53.3	66.2	81.7		
1000	38.2	47.7	59.3	72.5	90.9		
1200	45.9	57.2	70.6	88.2	109.1		

APPLICATIONS



Power Plant Construction



Electroplating Industry

