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Company Profile

Yonggao Co., Ltd. a listed company, is the leading manufacturer in China specialized in PVC, PPR, CPVC, PE, PP piping system.

With an annual production capacity of 600,000 tons, Yonggao Co., Ltd. has more than 4000 employees in 12 factories covering 1332000 square meters in China, including 5 factories in Taizhou, and the other 7 ones in Shenzhen, Guangzhou, Shanghai, Tianjin, Chongqing and Anhui.

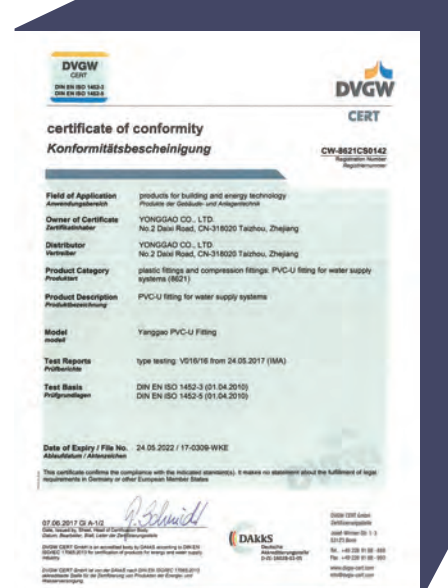
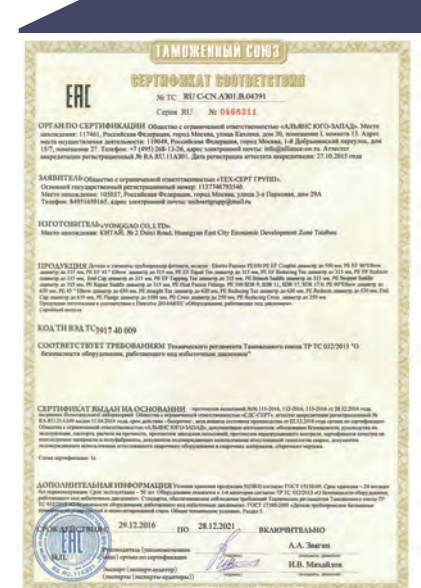
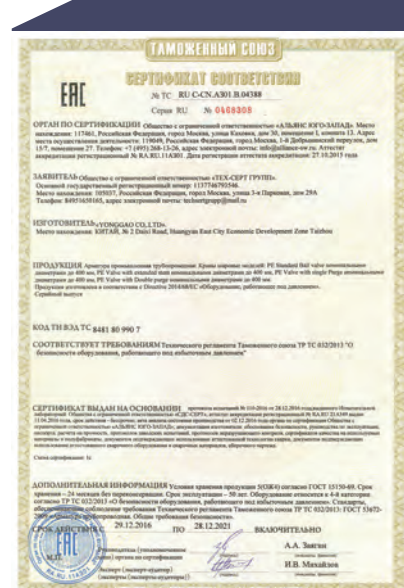
Equipped with 800 injection machines, 250 extrusion machines and 10000 moulds, Yonggao., reached a sales turnover of USD 800,000,000 in 2018, including export sales covering 146 countries all over the world.

With high-class raw material, strictly follow ISO9001 and ISO14001 to control quality, Yonggao Co., Ltd. have been providing high quality products and the best service to our customers and partners since its establishment. Today, Yonggao Co., Ltd. approved with NSF, DVGW, WATERMARK, KITEMARK, CUPC, WRAS, CE, CERTIFICATES, Yonggao have the confidence to become your reliable and excellent supplier.

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SINCE 1993



INTERNATIONAL CERTIFICATIONS

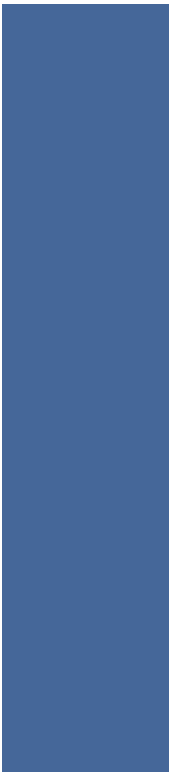
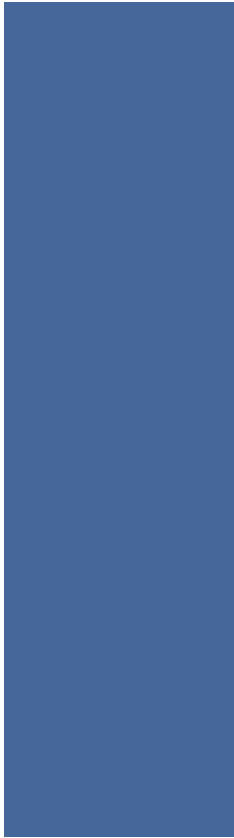


INTERNATIONAL CERTIFICATIONS

Effect drawing of installation



Support Wuhan



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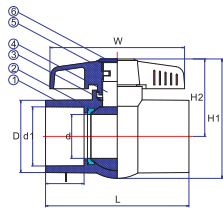
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PLASTIC VALVES
AND FITTINGS

VALVE



PLASTIC VALVES AND FITTINGS



ITEM NO:UCB01

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150PSI



COMPACT BALL VALVE

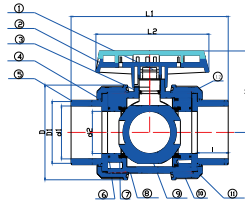
Specification of material

NO.	PART	MATERIAL	Q'TY
1	Body	PVC,CPVC,PP	1
2	Seat Seal	TPE,PTEE	2
3	O-Ring	EPDM,FPM(NBR)	1
4	Ball	PVC,CPVC,PP	1
5	Handle	ABS	1
6	Cap	ABS	1

COMPACT BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D	L	I	w	H1	H2
15mm(1/2")	14	14	22	22	21.34	20	14.5	32	80	22	68.5	64.3	44.9
20mm(3/4")	14	14	26	26	26.67	25	20	36.8	92	25	80.5	76	52
25mm(1")	11.5	11	32	34	33.4	32	24	45	106	28.0	100	94	65
32mm(1 1/4")	11.5	11	38	42	42.16	40	30	53.5	112.5	28.0	108	103	70
40mm(1 1/2")	11.5	11	48	48	48.26	50	34	62	129	33.0	108	112	73.5
50mm(2")	11.5	11	60	60	60.33	63	44	75.5	148	39.5	138	126	81
65mm(2 1/2")	8	11	76	76	73	75	56	92.5	177.5	39.5	192.5	166	108.5
80mm(3")	8	11	89	89	88.9	90	71	107	209	48	192.5	181	116
100mm(4")	8	11	114	114	114.3	110	86	134.5	294	78	262	236	151.5
150mm(6")					168.8	160	130.4	185.4	407	102.7	301.9	299.5	181.2



ITEM NO:UTB01

- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150PSI



TRUE UNION BALL VALVE

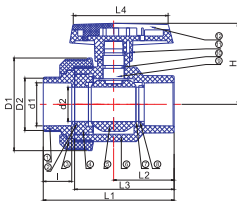
Specification of material

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Stem	PVC,CPVC,PP	1	7	O-Ring	EPDM,FPM(NBR)	2
2	Handle	ABS	1	8	Body	PVC,CPVC,PP	1
3	Stem O-Ring	EPDM,FPM(NBR)	2	9	Ball	PVC,CPVC,PP	1
4	Union Nut	PVC,CPVC,PP	2	10	Seat Seal	PTFE	2
5	End Connector	PVC,CPVC,PP	2	11	Seat Carrier	PVC,CPVC,PP	1
6	Body O-Ring	EPDM,FPM(NBR)	2	12	Carrier O-Ring	EPDM,FPM(NBR)	1

TRUE UNION BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D1	D	I	L1	L2	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.2	20.6	112.5	65	50.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.6	65.5	24.6	130.2	75	58.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	28	142.5	85	65.7
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	52	86.6	31	161	97	76.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	59.5	102	31.5	166.5	110	86
50mm(2")	11.5	11	60	60	60.33	63	50	75	120	40	214	133.5	101.5
65mm(2 1/2")	8	11	76	76	73.03	75	60	87.5	135	40	228	161	112.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	269	200	160.5
100mm(4")	8	11	114	114	114.3	110	99	132	216	56	309	240	173.5



ITEM NO:USU01
■ END CONNECTOR: THREAD, SOCKET
■ WORKING PRESSURE:150 PSI



SINGLE UNION BALL VALVE

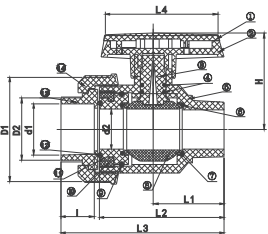
NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC,CPVC,PP	1
2	Carrier O-Ring	EPDM,FPM(NBR)	1
3	Union Nut	PVC,CPVC,PP	1
4	Seal Carrier	PVC,CPVC,PP	1
5	Ball	PVC,CPVC,PP	1
6	Body	PVC,CPVC,PP	1

Specification of material

NO.	PART	MATERIAL	Q'TY
7	Seat Seal	PTFE	2
8	O-Ring	EPDM,FPM(NBR)	2
9	Stem	PVC,CPVC,PP	1
10	Stem O-Ring	EPDM,FPM(NBR)	2
11	Handle	ABS	1

SINGLE UNION BALL VALVE

Dimensions															
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	49	86.6	27.0	130	57	99	97.1	76.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69.0	113.5	109.7	86.5
50mm(2")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190.0	102
65mm(2 1/2")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174



ITEM NO:USU04
■ END CONNECTOR: THREAD, SOCKET
■ WORKING PRESSURE:150 PSI

MALE SINGLE UNION BALL VALVE

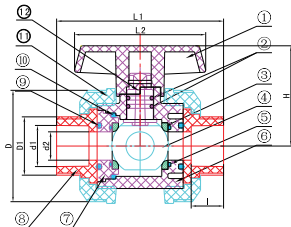
NO.	PART	MATERIAL	Q'TY
1	Cover	PVC-U	1
2	Handle	ABS	1
3	Stem	PVC-U	1
4	Stem O-Ring	EPDM	2
5	Body	PVC-U	1
6	O-Ring	EPDM	2
7	Seat Seal	PTFE	2

Specification of material

NO.	PART	MATERIAL	Q'TY
8	Ball	PVC-U	1
9	O-Ring	EPDM	1
10	Seal	PVC-U	1
11	Seal Carrier	PVC-U	1
12	O-Ring	EPDM	1
13	End Connector	PVC-U	1
14	Union Nut	PVC-U	1

MALE SINGLE UNION BALL VALVE

Dimensions										
Nom Size	D1	D2	d1	d2	L1	L2	L3	L4	H	I
15mm(1/2")	47.8	26.4	20.3	14	40	67	88.5	59.2	49.8	17
20mm(3/4")	58.8	31.3	25.3	19	43	78	101.5	68.3	57.3	20
25mm(1")	68	38	32.4	32	50	86	112	78.3	64.4	23.4
32mm(1 1/4")	82.4	49	40.4	32.5	56.4	99.3	129.7	89.5	76	26.6
40mm(1 1/2")	94.6	59.5	50.4	40	68.2	115	151.8	101.3	86.6	31.5
50mm(2")	113	73.9	63.4	49.7	78	134	179	124.4	101	38.5
65mm(2 1/2")	128	87.8	67	59.5	90	151.8	203.8	149.9	113.1	44
80mm(3")	181	107.4	90.4	80	120.9	196	254.7	191.6	160	52
100mm(4")	204	132.2	106.5	96	139.5	224.5	295.8	191.6	230.3	62



ITEM NO:UTB03

TRUE UNION BALL VALVE III

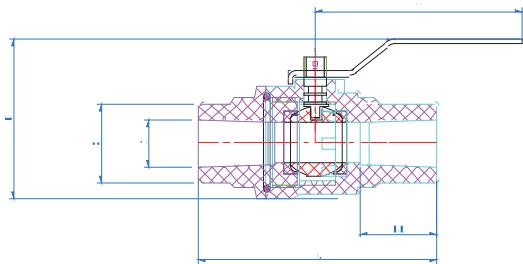
NO.	PART	MATERIAL	QTY
1	Handle	ABS	1
2	Stem O-Ring	NBR	2
3	Seat Seal	PE	2
4	Ball	PVC-U	1
5	O-Ring	NBR	2
6	Body	PVC-U	1

Specification of material

NO.	PART	MATERIAL	QTY
7	Seat Carrier	PVC-U	1
8	End Connector	PVC-U	1
9	O-Ring	NBR	1
10	O-Ring	NBR	1
11	Union Nut	PVC-U	1
12	Stem	PVC-U	1

TRUE UNION BALL VALVE III

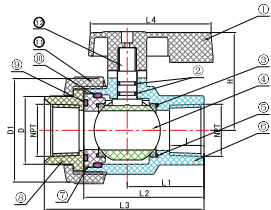
Nom Size	NPT	BSPT	JIS(d1)	BS(d1)	ANSI(d1)	DIN(d1)	d2	D1	D	I	L1	L2	H
15mm(1/2")	14	14	22	22	21.34	20	14	26	55	16	82.50	65	49.50
20mm(3/4")	14	14	26	26	26.67	25	18	36	60	19	92	80	54.50
25mm(1")	11.50	11	32	34	33.40	32	25	44	69	22.50	107	85	62
32mm(1 1/4")	11.50	11	38	42	42.16	40	32	56	81.50	26	120	97	74
40mm(1 1/2")	11.50	11	48	48	48.26	50	40	63	93	31.50	144	116	85
50mm(2")	11.50	11	60	60	60.33	63	50	78	111	38.50	172	134	100



ITEM NO: UCB06

TWO PCSES BALL VALVE WITH STAINLESS STEEL HANDLE

Nom Size	L	L1	T	R	D	H
20	87	28	75.8	1/2"	29	58.27
25	93.6	27.98	80.8	3/4"	33.2	63.67
32	108.4	31	83.2	1"	41	74.97
40	120.5	35	96.4	1 1/4"	51.5	90.8
50	137	39	111.4	1 1/2"	58	102
63	162	46	123	2"	74.5	118.85
75	197	52.5	139.5	2 1/2"	91.5	145.62
90	247.5	73.5	190.72	3"	104.75	166.25
110	282.39	74	208.78	4"	133.97	199.25



ITEM NO: USU03

SINGLE UNION BALL VALVE III

Specification of material

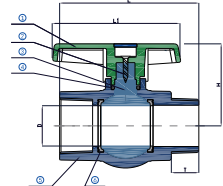
NO.	PART	MATERIAL	Q'TY
1	Handle	PVC-U	1
2	Stem O-Ring	NBR	1
3	Seat Seal	PTFE	1
4	Ball	PVC-U	1
5	O-Ring	NBR	1
6	Body	PVC-U	1

NO.	PART	MATERIAL	Q'TY
7	Seat Carrier	PVC-U	1
8	End connector	PVC-U	1
9	Seat Carrier Flat O-Ring	NBR	1
10	Seat Carrier O-Ring	NBR	1
11	Union nut	PVC-U	1
12	Stem	PVC-U	1

SINGLE UNION BALL VALVE III

Dimensions

Nom Size	D1	D	NPT	I	L1	L2	L3	L4	H
15mm(1/2")	49	29	1/2"	18	38	58	80	57	50
20mm(3/4")	60	35	3/4"	18	41.9	66	88	64	49.7
25mm(1")	66	43.2	1"	22	49	76.7	101.9	77.2	62.3
32mm(1 1/4")	81	51	1 1/4"	29	59	93	125	91	75
40mm(1 1/2")	94	60	1 1/2"	31.5	63.2	99.2	133.2	100	81.5
50mm(2")	111	74	2"	38	82.4	124.7	165.7	117.6	92.4
80mm(3")	178	107.5	3"	56	108.4	172	229.3	173	138.6
100mm(4")	210	131	4"	66.2	135	212.4	281.1	224	151.65



ITEM NO: UCTB04

COMPACT BALL VALVE M/F

Specification of material

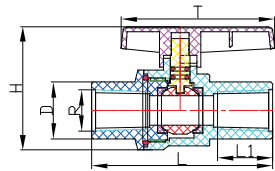
NO.	PART	MATERIAL	Q'TY
1	Handle	PVC	1
2	Nail	304	1
3	Ball	PP	1

NO.	PART	MATERIAL	Q'TY
4	Stem O-Ring	EPDM	1
5	Body	PVC	1
6	Seal Seat	TPE	2

COMPACT BALL VALVE M/F

Dimensions

Nom Size	DN	D	L	L1	T	H
1 1/2" X 1 1/2"	40	35	139	107	24	59
2" X 2"	50	46	151	139	30	69

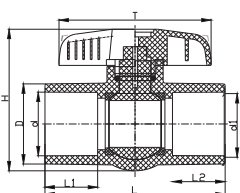


ITEM NO: UCB05

TWO PCSES BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	L	L1	D	R	H	T
15mm(1/2")	14	14	22	22	21.34	20	93	28	30	1/2"	63.7	79
20mm(3/4")	14	14	26	26	26.67	25	95.6	25	33.2	3/4"	68.5	79
25mm(1")	11.5	11	32	34	33.4	32	114.4	28	41	1"	81	85
32mm(1 1/4")	11.5	11	38	42	42.16	40	127.6	31	51.5	1 1/4"	93.6	92
40mm(1 1/2")	11.5	11	48	48	48.26	50	139.5	35	58	1 1/2"	106.3	103
50mm(2")	11.5	11	60	60	60.33	63	162	42	74.5	2"	125.06	118

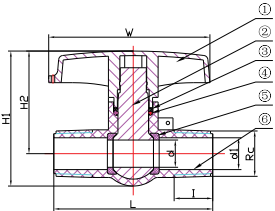


ITEM NO: UCB04

OCTAGONAL COMPACT BALL VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	L	L1	L2	H	T
15mm(1/2")	14	14	22	22	21.34	20	69.8	18.5	18	60.1	65
20mm(3/4")	14	14	26	26	26.67	25	79.2	22	22	69.5	71.8
25mm(1")	11.5	11	32	34	33.4	32	94.5	26.2	25	83.7	87.8
32mm(1 1/4")	11.5	11	38	42	42.16	40	106.8	26.8	26	94.5	99.6
40mm(1 1/2")	11.5	11	48	48	48.26	50	122.8	31.2	31	109.7	109.8
50mm(2")	11.5	11	60	60	60.33	63	142.7	34.5	34	129	127.5
65mm(2 1/2")	8	11	76	76	73	75	173	41.5	41.5	164.5	180
80mm(3")	8	11	89	89	88.9	90	228	65	65	191	196
100mm(4")	8	11	114	114	114.3	110	256	65.5	65.5	216	218.5



ITEM NO: UCB03

COMPACT BALL VALVE M/M

Specification of material

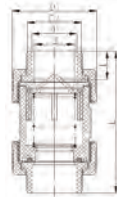
NO.	PART	MATERIAL	QTY
1	Handle	ABS	1
2	Stem	PVC-U	1
3	Seat Seal	PE	1

NO.	PART	MATERIAL	QTY
4	O-Ring	NBR	1
5	O-Ring	HDPE	2
6	Body	PVC-U	1

COMPACT BALL VALVE M/M

Dimensions

Nom Size	Rc	d1	d	L	I	W	H1	H2
15mm(1/2")	1/2"	14	12	70	17	71	60	45
20mm(3/4")	3/4"	18	16	75	17	71	67	47

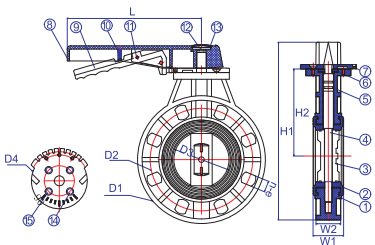


ITEM NO: UTS01

TRUE UNION SPRING CHECK VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	d	JIS d1	BS d1	ANSI d1	DIN d1	D1	D2	I	L
15mm(1/2")	14	14	16.8	22	22	21.34	20	48	27.4	17	87.2
20mm(3/4")	14	14	22	26	26	26.67	25	68	36.2	19.7	114.53
25mm(1")	11.5	11	26.5	32	34	33.4	32	68	42	23	129.5
32mm(1 1/4")	11.5	11	37.1	38	42	42.16	40	95	52.6	27	151.1
40mm(1 1/2")	11.5	11	44.6	48	48	48.26	50	92.8	61.4	32	160.3
50mm(2")	11.5	11	54.8	60	60	60.33	63	114.8	77.6	38	193.2
65mm(2 1/2")	8	11	65	76	76	73	75	148	89.4	45	231.4
80mm(3")	8	11	80	89	89	88.9	90	179	108.5	58	270
100mm(4")	8	11	80	114	114	114.3	110	179	132.5	63.5	281.8



ITEM NO:UBV01
■ END CONNECTOR: FLANGE
■ WORKING PRESSURE:200PSI

BUTTERFLY VALVE

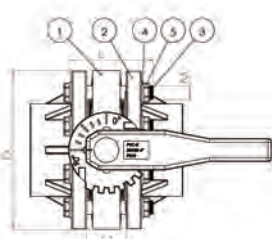
NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Seat Seal	EPDM,FPM(NBR)	1
3	Gate	PVC	1
4	Stem	SUS410	1
5	O-Ring	EPDM,FPM(NBR)	2
6	Washer	ABS	1
7	Locking Plate	PVC	1
8	Large Handle	ABS	1

Specification of material

NO.	PART	MATERIAL	Q'TY
9	Small Handle	ABS	1
10	Spring	SUS304	1
11	Pin	SUS304	1
12	Bolt	SUS304	1
13	Handle Cap	ABS	1
14	Insered Bolt	SUS304	4
15	Bolt Cap	PVC	4

BUTTERFLY VALVE

												DIN	JIS	ANSI
Nom Size	D1	DIN D2	JIS D2	ANSI D2	D3	D4	L	H1	H2	W1	W2	n-ø e	n-ø e	n-ø e
50mm(2")	160.1	120	100	120.4	55.6	99.7	189.7	223.3	98.3	44	32	4-20	4-19	4-19
65mm(2 1/2")	179.8	141.2	140	139.5	68.7	99.7	189.0	247.0	111.6	48.3	32.4	4-18	4-19	4-19
80mm(3")	195.0	156.4	140	139.5	83.9	99.7	238.5	282.6	132.5	51.9	36.3	8-20	4-19	4-19
100mm(4")	228.1	183	150	152.4	103.2	99.7	239.5	319.4	155.4	54.5	44.1	8-20	8-19	8-19
125mm(5")	257	210.9	175	190.5	129.5	139	309.8	368	170.3	66.5	54.6	8-21.5	8-19	8-19
150mm(6")	285.4	238.5	240	241.5	151.1	140.0	309.8	400.8	187.5	73.1	56.4	8-24	8-23	8-22
200mm(8")	342.6	292.4	295	298.5	198.6	140.0	309.8	473.0	230.1	92.0	72.2	8-24	12-23	8-23



ITEM NO:UBV02
■ END CONNECTOR: FLANGE
■ WORKING PRESSURE:200PSI

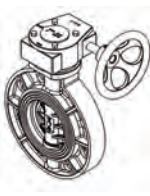
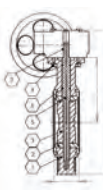
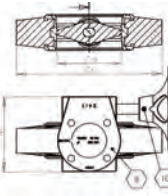
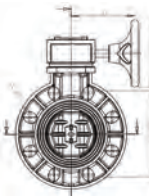
BUTTERFLY VALVE WITH FLANGE

NO.	PARTS	Q'TY
1	Butterfly Valve	1
2	Flange	2
3	Bolt	
4	Washer	
5	Nut	

Specification of material

BUTTERFLY VALVE WITH FLANGE

Dimensions					
VALVE SIZE DN-INCH	FLANGE	D	L1	BOLT Q'TY	BOLT M
50 X 2"	63	160	43	4	M16
65 X 2 1/2"	75	180	46	4	M16
80 X 3"	90	196	49	8	M16
100 X 4"	110	228	54	8	M16
125 X 5"	125,140	258	64	8	M16
150 X 6"	160	287	70	8	M20
200 X 8"	200,225	344	88	8	M20
250 X 10"	250,280	412	98	12	M20
300 X 12"	315	460	108	12	M20
350 X 14"	350	500	88	16	M20
400 X 16"	400	565	96	16	M24



ITEM NO:UBV03
■ WORKING PRESSURE:200PSI

BUTTERFLY VALVE GEAR TYPE

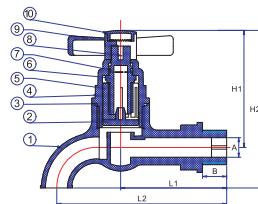
NO.	PART	MATERIAL	Q'TY
1	Body	PVC/CPVC/PPG	1
2	Seat Seal	EPDM/FPM	1
3	Disc	PVC/CPVC/PPG	1
4	Bolt	304	1
5	Stem	STEEL,/304/316	1

Specification of material

NO.	PART	MATERIAL	Q'TY
6	O-Ring	EPDM/FPM	2
7	Key	STEEL	1
8	Gear Box	IRON	1
9	Hand Wheel	IRON	1
10	Pin	STEEL	1

BUTTERFLY VALVE GEAR TYPE

Dimensions									
SIZE	"	4"	5"	6"	8"	10"	12"	14"	16"
P.C.D. Ø D1	DN	100	125	150	200	250	300	350	400
	DIN	228	258	287	344	412	460	500	565
	ANSI	180	210	240	295	350	400	460	515
	JIS	191	216	241	298	362	432	476	540
Ø d1		98	122	146	199	255	302	345	395
L		54	64	70	88	98	108	88	98
Ø 1		145	280	280	280	280	280	380	380
L1		120	200	200	200	220	220	280	280
H1		140	168	181	215	260	280	410	490
H		340	385	417	487	551	595	670	770
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
	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
	MPa	1	1	1	1	0.6	0.6	0.4	0.4
Weight	Kg/PC	7.2	18	19	22	25	29	45	55



ITEM NO:UBC01
■ END CONNECTOR: BSPT, NPT, THREAD
■ MATERIAL: PVC

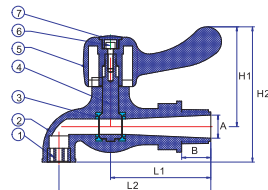
BIBCOCK

NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Seal	TPE	1
3	O-Ring	EPDM,FPM(NBR)	1
4	Surcoat	PVC	1
5	Core Nut	ABS	1
6	Screw	ABS	1
7	Stem O-Ring	EPDM,FPM(NBR)	1
8	Bolt	SUS304	1
9	Handle	PVC	1
10	Handle Cap	PS	1

Specification of material

BIBCOCK

Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2")	14	14	11.6	13.7	61.5	99.5	72.5	95
20mm(3/4")	14	14	11.6	13.7	62.5	99.5	72.5	95



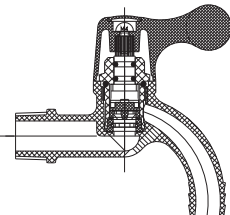
ITEM NO:UWF01
■ END CONNECTOR: BSPT, NPT, THREAD
■ MATERIAL: PVC

ONE WAY FAUCET

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Nut	ABS	1
2	Body	PVC	1
3	Seat Seal	TPE	2
4	Ball	PVC	1
5	Handle	PVC	1
6	Union Nut	SS41	1
7	Handle Cap	ABS	1

ONE WAY FAUCET

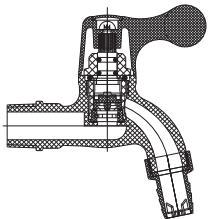
Dimensions								
Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2")	14	14	13.8	17.7	62.5	92.9	56	80
20mm(3/4")	14	14	13.8	17.7	63	92.9	55.6	81.5



ITEM NO: UWF03

ONE WAY FAUCET TYPE III

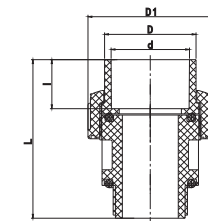
Dimensions						
	A	B	L1	L2	H1	H2
15mm(1/2")	13.5	14	48.9	85.9	58.78	94.68



ITEM NO: UWF02

ONE WAY FAUCET TYPE III WITH NOZZLE

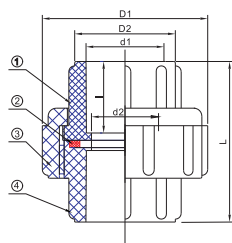
Dimensions						
	A	B	L1	L2	H1	H2
15mm(1/2")	13.5	14	48.9	83.59	58.75	102.47



ITEM NO: UU002

MALE UNION

Dimensions					
Nom Size	D	D1	d	L	I
20mm	29.5	43	20.3	63.3	17
25mm	37	53	25.3	72.3	14
32mm	43	57	32.4	75.1	23
40mm	55	72	40.4	93.1	33
50mm	58.8	80.1	50.4	102	31.5
50mmX2"	58.8	80.1	50.4	31.5	31.5
63mm	73.7	99.5	63.4	113.5	38



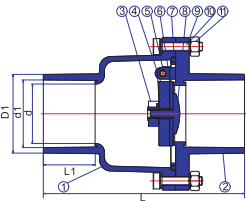
ITEM NO:UU001
■ END CONNECTOR: THREAD, SOCKET
■ WORKING PRESSURE:150 PSI

UNION

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC,CPVC	1
2	O-Ring	EPDM,FPM(NBR)	1
3	Union Nut	PVC,CPVC	1
4	Body	PVC,CPVC	1

UNION

Dimensions											
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	14	29.20	50.6	20.5	48
20mm(3/4")	14	14	26	26	26.67	25	19	34.5	56.7	22	53.6
25mm(1")	11.5	11	32	34	33.4	32	24	42.6	66.5	28	63
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	52	81	30	72.6
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	59	86.8	34.5	85
50mm(2")	11.5	11	60	60	60.33	63	45	72.1	105.8	40	103
65mm(2 1/2")	8	11	76	76	73.03	75	60	90	129	40	109
80mm(3")	8	11	89	89	88.9	90	80	103.5	145.5	48	125.5
100mm(4")	8	11	114	114	114.3	110	100	132.5	175	60	160



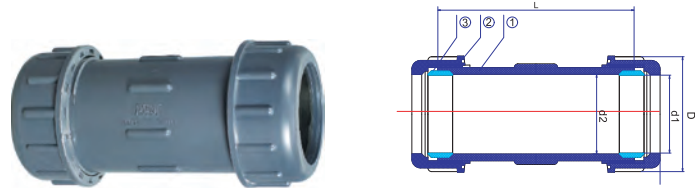
ITEM NO:USV01

SWING CHECK VALVE

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Exit Body	PVC	1
2	Entrance Body	PVC	1
3	Gate Nut	PVC	1
4	Disk	PVC	1
5	Pin	SUS304	1
6	Sheet Gasket	EPDM,FPM(NBR)	1
7	O-Ring	EPDM,FPM(NBR)	1
8	Sheet Gasket Holder	PVC	1
9	Bolt	SUS304	see table
10	Washer	SUS304	see table
11	Nut	SUS304	see table

SWING CHECK VALVE

Dimensions									
Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	L1	L	N-φ e
65mm(2 1/2")	76	76	73.03	75	68.3	89	58.0	226.2	8
80mm(3")	89	89	88.9	90	83	103.6	73.0	264.4	8
100mm(4")	114	114	114.3	110	101	131.6	90.0	358	8
150mm(6")	165.0	166	168.3	160	147	182	113.0	422.4	12



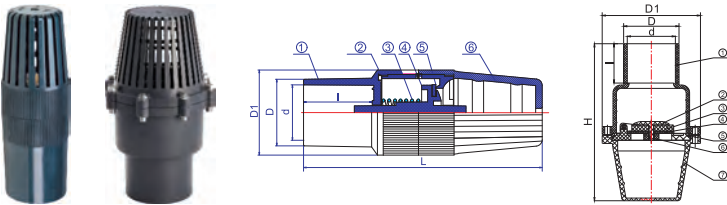
ITEM NO:UCC01
■ SPECIFICATION:ASTM D2846 STANDARD
■ WORKING PRESSURE:150PSI

COMPRESSION COUPLING

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Union Nut	PVC	2
3	Seat	EPDM,FPM(NBR)	2

COMPRESSION COUPLING

Dimensions							
Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d2	D	L
15mm(1/2")	22	22	21.34	20	23	45.5	110.1
20mm(3/4")	26	26	26.67	25	28	53	110.1
25mm(1")	34	32	33.4	32	36	62.2	120.1
32mm(1 1/4")	42	38	42.16	40	44	69.6	129.2
40mm(1 1/2")	48	48	48.26	50	52	81	136.6
50mm(2")	60	60	60.33	63	64.5	94	159
65mm(2 1/2")	76	76	73.03	75	78	111.5	191.7
80mm(3")	89	89	88.9	90	92.7	127	221.7
100mm(4")	114	114	114.3	110	117.2	156.7	251.7



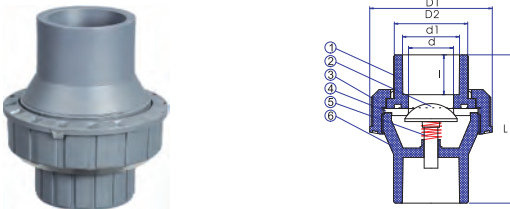
ITEM NO:UFV01
■ END CONNECTOR: THREAD, SOCKET
■ MATERIAL:PVC

FOOT VALVE

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Connector	EPDM,FPM(NBR)	1
3	Spring	STAINLESS STEEL	1
4	Gate	PVC	1
5	Seal	EPDM,FPM(NBR)	1
6	Body	PVC	1

FOOT VALVE

FOOT VALVE								Dimensions		
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d	BS d	ANSI d	DIN d	D	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	31.0	43.7	31.0	137.0
20mm(3/4")	14	14	26	26	26.67	25	35.5	43.7	32.5	141.0
25mm(1")	11.5	11	32	34	33.4	32	41.9	43.7	32.8	141.0
32mm(1 1/4")	11.5	11	38	42	42.16	40	51.0	78	35.0	195.3
40mm(1 1/2")	11.5	11	48	48	48.26	50	60.3	78	56.0	217.4
50mm(2")	11.5	11	60	60	60.33	63	72.5	78	57.0	217.4
75mm(2 1/2")	8	11	76	76	73.03	75	90	171.6	73.5	293.4
90mm(3")	8	11	89	89	88.9	90	76.4	183.8	58.2	252
110mm(4")	8	11	114	114	114.3	110	115	216	91	360
125mm						125.6	142.4	232.6	95	386.47
140mm						140.6	159	246.5	105	430
160mm(6")	8	11	165	168.3	168.3	160	161	291	120	500



ITEM NO:USU02
■ SPECIFICATION:Schedule 40

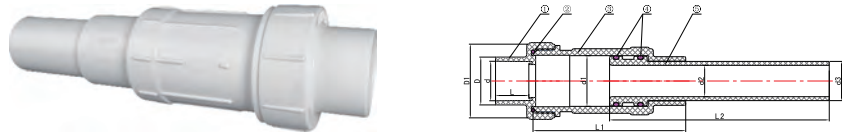


SINGLE UNION SPRING CHECK VALVE

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Union Connector	PVC	1
2	Gate	PVC	1
3	Union Nut	PVC	1
4	Space Seal	EPDM,FPM(NBR)	1
5	Spring	STAINLESS STEEL	1
6	Body	PVC	1

SINGLE UNION SPRING CHECK VALVE

Dimensions											
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	16	27.5	51.3	20.5	80
20mm(3/4")	14	14	26	26	26.67	25	19	35.5	65.5	22	86.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.5	73.7	28.0	96
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	30.0	105
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34.7	115.5
50mm(2")	11.5	11	60	60	60.33	63	49.8	75	119.8	40	141



ITEM NO:UCC03



EXPANSION COUPLING

Specification of material			
NO.	PART	MATERIAL	Q'TY
1	Union Nut	PVC-U	1
2	Union Nut Seal	NBR	1
3	Body	PVC-U	1
4	Core Seal	NBR	2
5	Core	PVC-U	1

EXPANSION COUPLING

EXPANSION COUPLING								Dimensions	
Nom Size	D1	D	d	d1	d2	d3	L	L1	L2
15mm(1/2")	45	27.6	21.34	27.9	16.5	21.4	23.3	95	135
20mm(3/4")	51.4	33.2	26.67	33.6	21.1	26.7	25.3	110.7	159
25mm(1")	63	40.8	33.4	43.2	26.7	33.4	28.4	130.5	187.7
32mm(1 1/4")	73.2	50	42.16	51.3	34.8	42.2	31.5	149	209.5
40mm(1 1/2")	79.8	56.6	48.26	57.6	42.2	48.3	33.3	170	233.5
50mm(2")	92	69	60.33	70.3	52.2	60.3	34.8	181	244.5
2 1/2"	105	85.5	73.4	79.8	62.3	73	46	108.38	270
3"	123.8	103	89.28	98	76.6	88.9	48.8	103.2	289.3
4"	154	129	114.68	121.6	101.1	114.3	55	107.98	316

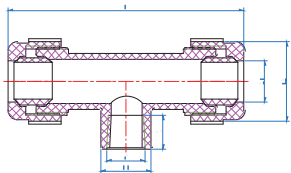


ITEM NO: UCC04



ADAPTER, MALE X COMPRESSION

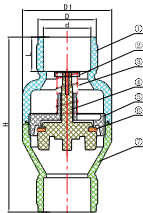
Nom Size	D	d	D1	d1	L	L1	L2
1/2"	44	23	41.8	20.69	67.32	46.32	16.5
3/4"	50.4	28.8	45.26	26.01	69.39	47.09	17
1"	56.7	34.4	50	32.59	77.11	52.11	20.5
1 1/4"	68	43.8	60	41.32	81.13	53.83	22
1 1/2"	75	50.5	68	47.38	85.48	57.98	22.5
2"	89	61.3	87.13	59.4	91.98	61.48	22.5



ITEM NO: UCC05

TEE, COMPRESSION X FEMALE

Nom Size	D	d	D1	L	L1	L2
1/2"	132.11	1/2"	28.3	19	23	44
3/4"	138.86	3/4"	34	20	28.8	50.4
1"	150.55	1"	40.6	23	34.4	56.7
1 1/4"	160.72	1 1/4"	50	25	43.8	68
1 1/2"	174.61	1 1/2"	56.5	21.5	50.5	75
2"	191.88	2"	69.5	31.5	61.3	89
3/4"X1/2"	138.86	1/2"	28.3	19	28.8	50.4



ITEM NO:UCV01

SPRING CHECK VALVE II

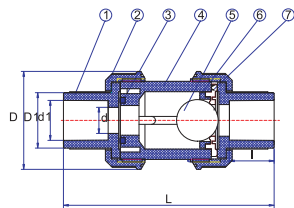
Specification of material

NO.	PART	MATERIAL	Q'TY
1	Exit body	PVC-U	1
2	Stainless Plug	STAINLESS STEEL	1
3	Spring	STAINLESS STEEL	1
4	Core	PVC-U	1
5	Core frame	PVC-U	1
6	O-Ring	NBR	1
7	Entrance body	PVC-U	1

SPRING CHECK VALVE II

Dimensions

Nom Size	D1	D	BS(d)	ANSI(d)	DIN(d)	L	H
15mm(1/2")	45.2	30.5	22	21.34	20	23	103
20mm(3/4")	45.2	35.5	26	26.67	25	27	113.6
25mm(1")	57.5	43	34	33.4	32	28	142
32mm(1 1/4")	79.6	52	42	42.16	40	30.6	156
40mm(1 1/2")	79.8	60.2	48	48.26	50	36	167.4
50mm(2")	103.6	72	60	60.33	63	40.6	194.8



ITEM NO:UBC02

BALL CHECK VALVE

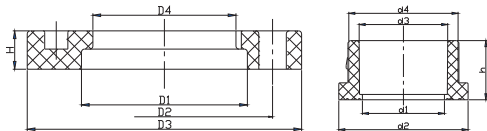
Specification of material

NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC	2
2	Union Nut	PVC	2
3	Stem O-Ring	EPDM,FPM(NBR)	1
4	Body	PVC	1
5	Ball	PVC	1
6	Gland	PVC	1
7	Seat	EPDM,FPM(NBR)	1

BALL CHECK VALVE

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	D	I	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35.0	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189



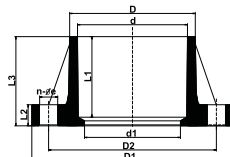
ITEM NO: UVF01

MATERIAL : PVC

VAN STONE FLANGE

Dimensions

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
2"	51	91.8	58	74.6	43.5	92.5	120	152.4	77.6	20.5
2 1/2"	68	107.2	73.4	90.6	49	107.6	140	177.6	92.6	24.8
3"	77.2	119.9	89.4	107	54.9	120.6	152.5	191.4	109.4	26.4
4"	102.4	152.5	110.4	131.8	64.8	153	191	229.7	134	28.5
6"	156	206	160.5	189.2	85	207.5	241	284	192.5	32
8"	204.2	260	201	237	119	261	296	342.2	239	36.2
10"	266.3	338	273.8	305.9	135	308	362	407	239	34.5
12"	316.4	394	324.6	361.5	162	363.5	432	484	239	36.5
225mm	200	274	225	247.5	118	126	250	294.5	339	32
250mm	242	327	250	282	133	140	284	350	399.7	34.5
315mm	299	377	315	345	165.5	174	347.5	402.5	450.8	36.5

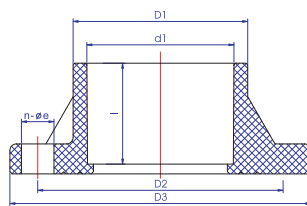


ITEM NO: UTF02

JIS FLANGE

Dimensions

Nom Size	D	d ANSI	d DIN	d JIS	d BS	D1	D2	d1	L1	L2	L3	n-øe
3/4"	35.3	26.67	25	26	26	100	75	22	35	15	40	4-ø15
1"	43	33.4	32	32	34	125	89	25	40	15	46	4-ø19
1 1/4"	49	42.16	40	38	42	135	100	30	44	16	50.5	4-ø19
1 1/2"	60.5	48.26	50	48	48	140	105	41	55	16	61.5	4-ø19
2"	73.5	60.33	63	60	60	155	120	52	63	20	71	4-ø19
2 1/2"	90.5	73.03	75	76	76	175	140	67	61	22	70	4-ø19
3"	105.5	88.9	90	89	89	185	150	78	64	22	73	8-ø19
4"	131	114.3	110	114	114	210	175	100	83.5	22	95	8-ø19



ITEM NO: UTF01

235PSI MAXIMUM INTERNAL PRESSURE RATING @73° F
MATERIAL : PVC

TS FLANGE

Dimensions

Nom Size	D1	D2	D3	d1 DIN	d1 ANSI	d1 JIS	d1 BS	I	n-øe
1/2"	30	60.5	89	20	21.34	22	22	22	4-16
3/4"	34	70.5	98	25	26.67	26	26	23.5	4-16
1"	42.5	79.5	108	32	33.4	32	34	25.5	4-16
1 1/4"	52	89.5	118	40	42.16	38	42	32	4-16
1 1/2"	61.5	98.5	127	50	48.26	48	48	32.5	4-19
2"	76	120.5	151.5	63	60.33	60	60	35.8	4-19
2 1/2"	89.5	139.5	177.3	75	73.03	76	76	41	4-19
3"	107.5	152.5	191	90	88.9	89	89	48.5	4-19
4"	130.5	190.5	228.5	110	114.3	114	114	58.5	8-19
5"	165	210	250	140	141.3	140	140.8	104	8-23
6"	188	240	280	160	168.3	165	168.3	132	8-23
8"	238	296	330	200	219.1	216	219.1	136	12-23
10"									



PVC PRESSURE PIPES & FITTINGS (ISO1452 PN10)

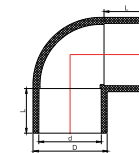
PRESSURE



ISO1452 PVC PRESSURE PIPES & FITTINGS PN10



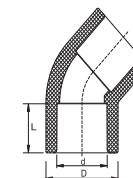
ITEM NO: US001



ITEM NO: USE02

● PRESSURE PIPES PN10

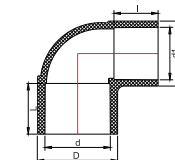
Size Nom	Outer Dia	Wall Thickness
40	40	2.0
50	50	2.4
63	63	3.0
75	75	3.6
90	90	4.3
110	110	4.8
160	160	7.6
200	200	8.7



ITEM NO: USE01

● 45° ELBOW

Size Nom	D	d	L
20	25	20	17
25	30.8	25	19.5
32	38.3	32	23
40	47.9	40	28.5
50	58.3	50	33.5
63	72.9	63	40
75	87.6	75	44
90	105.4	90	51
110	126.4	110	61
125	142.4	125	69
140	159	140	76.5
160	180.6	160	86.5
180	196.6	180	96
200	225.6	200	107
225	245	225	106
250	274.6	250	119
280	306	280	147
315	343	315	164
355	385	355	184
400	431	400	206



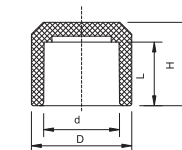
ITEM NO: USE07

● REDUCING ELBOW

Size Nom	D	d	L	D1	d1	I
25X20	30.9	25	20	25	20	20

● 90° ELBOW

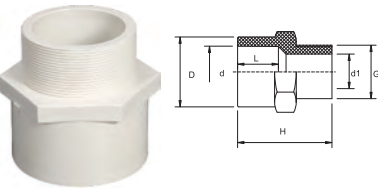
Size Nom	D	d	L
20	25	20	17
25	30.8	25	19.5
32	38.3	32	23
40	47.9	40	28.5
50	58.3	50	33.5
63	72.9	63	40
75	87.6	75	44
90	105.4	90	51
110	126.4	110	61
125	142.4	125	69
140	159	140	76.5
160	180.6	160	86.5
180	196.6	180	96
200	225.6	200	107
225	245	225	119
250	274.6	250	131
280	306	280	147
315	343	315	164
355	385	355	184
400	431	400	206



ITEM NO: US016

● END CAP

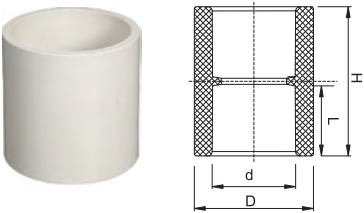
Size Nom	D	d	L	H
20	26.2	20	19	24
25	31.2	25	21.5	27
32	38.5	32	29.5	31
40	47.4	40	28.2	35
50	58.5	50	33	40
63	72.4	63	40	47
75	88.2	75	46	53.6
90	105.4	90	51	63.3
110	126.3	110	59.5	74.1
125	142.4	125	69	83.2
140	159	140	76.5	92.6
160	180.6	160	86.5	104.6
180	196.6	180	96	134.5
200	225.6	200	107	129.3
225	245	225	119	162.5
250	274.6	250	131	183
315	343	315	164	228
355	385	355	184	268
400	431	400	206	297



ITEM NO: US012

MALE ADAPTOR(NPT/BSPT)

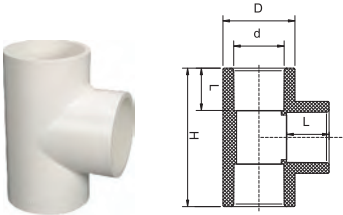
Size	Nom	D	d	G	L	H	d1
20	27.4	20	1/2"	16	37	14	
25	33.2	25	3/4"	19	43	18.5	
32	40.6	32	1"	23	50.7	25	
40	49.3	40	1 1/4"	26	58	32	
50	60.3	50	1 1/2"	31.5	61	36	
63	85.8	63	2"	38	73	47	
75	89	75	2 1/2"	44	90	60	
90	105.4	90	3"	51	108	69.2	
110	130	110	4"	61.5	119	92	
(BSPT)160	180.6	180.7	6"	83	150	137	



ITEM NO: US003

COUPLING

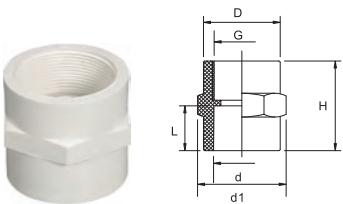
Size	Nom	D	d	L	H
20	25	20	17	36	
25	30.8	25	19.5	41	
32	38.3	32	23	48	
40	47.9	40	28.5	60	
50	58.3	50	33.5	70	
63	72.9	63	40	83	
75	87.6	75	44	90	
90	105.4	90	51	106	
110	126.4	110	61	126	
125	142.4	125	69	144	
140	159	140	76.5	161	
160	180.6	160	86	180	
180	196.6	180	96	198	
200	225.6	200	107	222	
225	245	225	119	252	
250	274.6	250	131	269	
280	306	280	147	304	
315	343	315	164	344	
355	385	355	184	378	
400	431	400	206	419	



ITEM NO: UST01

STRAIGHT TEE

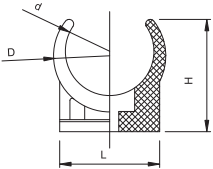
Size	Nom	D	d	L	H
20	31.2	20	17	57	
25	30.8	25	19.5	67	
32	38.3	32	23	81	
40	47.9	40	28.5	102	
50	58.3	50	33.5	123	
63	72.9	63	40	148	
75	87.6	75	44	166	
90	105.4	90	51	196	
110	126.4	110	61	236.4	
125	142.4	125	69	268	
140	159	140	76.5	298	
160	180.6	160	86	338	
180	196.6	180	96	377	
200	225.6	200	107	434	
225	245	225	119	468	
250	274.6	250	131	518	
280	306	280	147	592	
315	343	315	164	651	
355	385	355	184	739	
400	431	400	186	792	



ITEM NO: US011

FEMALE ADAPTOR(NPT/BSPT)

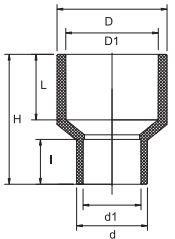
Size	Nom	D	d	G	L	H	d1
20	27.4	20	1/2"	16	32	31.6	
25	33.2	25	3/4"	19	38	38.3	
25X1/2"	32.5	25.3	1/2"	28.4	19	36	
32	40.6	32	1"	22	44.7	47.5	
40	49.3	40	1 1/4"	26	53	56.9	
50	60.3	50	1 1/2"	31.5	55.2	69.6	
63	85.8	63	2"	38	69	85.8	
75	89	75	2 1/2"	44	84	89	
90	105.4	90	3"	51	97	105.4	
110	130	110	4"	61.5	114	130	



ITEM NO: US007

PIPE BRACKET

Size	Nom	D	d	L	H
20	24.7	19.5	24.7	24.7	
25	32.8	24.5	29.4	28.7	
32	40.5	31.5	37	32.5	
40	50	39.5	39.6	40.5	
50	61.2	49.5	44	49.5	
63	77	62.5	60	59	

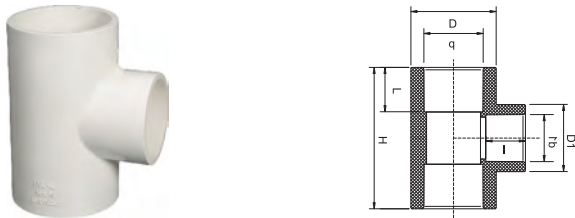


ITEM NO: US004

REDUCING COUPLING

Size	Nom	D	D1	L	d	d1	I	H
25X20	30.8	25	19.5	25	20	17	43	
32X20	38.3	32	23	25	20	17	48	
32X25	38.3	32	23	30.8	25	19.5	50.5	
40X20	47.9	40	28.5	25	20	17	54.5	
40X25	47.9	40	28.5	30.8	25	19.5	56.5	
40X32	47.9	40	28.5	38.3	32	23	60	
50X20	58.3	50	33.5	25	20	17	62	
50X25	58.3	50	33.5	30.8	25	19.5	63.8	
50X32	58.3	50	33.5	38.3	32	23	68	
50X40	58.3	50	33.5	47.9	40	28.5	72	
63X25	72.9	63	40	30.8	25	19.5	75	
63X32	72.9	63	40	38.3	32	23	79	
63X40	72.9	63	40	47.9	40	28.5	83	
63X50	72.9	63	40	58.3	50	33.5	88	
75X32	82.4	75	44	37.6	32	22	95	
75X40	87.6	75	44	47.9	40	28.5	91.5	
75X50	87.6	75	44	58.3	50	33.5	96	
75X63	87.6	75	44	72.9	63	40	101	
90X40	105.4	90	51	47.9	40	28.5	103	
90X50	105.4	90	51	58.3	50	33.5	106.5	
90X63	105.4	90	51	72.9	63	40	114	
90X75	105.4	90	51	87.6	75.4	44	119.5	
110X63	126.4	110	61.5	72.9	63.3	40	129	
110X75	126.4	110	61.5	87.6	75.4	44	133	
110X90	126.4	110	61	105.4	90	51	139	
125X75	136	125	70	82.4	75	44	144	
125X90	136	125	70	98.8	90	51	145	
125X110	136	125	70	120	110	61	148	
140X90	152.4	140	76	98.8	90	51	159	

Size	Nom	D	D1	L	d	d1	I	H
140X110	152.4	140	76	120	110	61	162	
160X90	174	160	86	98.8	90	51	179	
160X110	180.6	160	86.5	126.4	110	61	190	
160X125	174	160	86	136	125	70	180	
160X140	174	160	86	152.4	140	76	182	
180X160	196.6	180	96	174	160	86	198	
200X110	217.6	200	106	120	110	61	220	
200X160	225.6	200	107	180.6	160	86.5	238.5	
200X180	217.6	200	106	196.6	180	96	219	
225X110	245	225	120	120	110	61	221	
225X160	245	225	120	174	160	86	234	
225X200	245	225	119	217.6	200	106	243	
250X110	274.6	250	131	120	110	61	271	
250X160	274.6	250	131	174	160	86	271	
250X200	274.6	250	131	217.6	200	106	271	
250X225	274.6	250	131	245	225	119	270	
280X250	306	280	147	274.6	250	132	301	
315X110	343	315	164.5	120	110	61	336	
315X160	343	315	164.5	174	160	86	336	
315X200	343	315	164.5	217.6	200	106	336	
315X250	343	315	164.5	274.6	250	131	336	
315X280	343	315	164.5	306	280	147	338	
355X200	385	355	184	217.6	200	106	379	
355X315	385	355	184	343	315	164	380	
400X200	431	400	206	217.6	200	106	422	
400X250	431	400	206	274.6	250	131	422	
400X315	431	400	206	343	315	164	422	
400X355	431	400	206	385	355	184	420	



ITEM NO: UST02

REDUCING TEE

Size	Nom	D	d	L	D1	d1	I	H
25X20		30.8	25	19.5	25	20	17	64
32X20		38.3	32	23	25	20	17	69
32X25		38.3	32	23	30.8	25	19.5	79
40X20		47.9	40	28.5	25	20	17	82
40X25		47.9	40	28.5	30.8	25	19.5	90
40X32		47.9	40	28.5	38.3	32	23	92
50X20		58.3	50	33.5	25	20	17	91
50X25		58.3	50	33.5	30.8	25	19.5	98
50X32		58.3	50	33.5	38.3	32	23	105
50X40		58.3	50	33.5	47.9	40	28.5	110
63X25		72.9	63	40	30.8	25	19.5	110
63X32		72.9	63	40	38.3	32	23	118
63X40		72.9	63	40	47.9	40	28.5	125
63X50		72.9	63	40	58.3	50	33.5	140
75X32		82.4	75	44	37.6	32	22	126
75X40		87.6	75	44	47.9	40	28.5	137
75X50		87.6	75	44	58.3	50	33.5	143
75X63		87.6	75	44	72.9	63	40	156
90X40		105.4	90	51	47.9	40	28.5	151
90X50		105.4	90	51	58.3	50	33.5	159
90X63		105.4	90	51	72.9	63	40	172
90X75		105.4	90	51	87.6	75	44	186
110X63		126.4	110	61	72.9	63	40	190.2
110X75		126.4	110	61	87.6	75	44	206
110X90		126.4	110	61	105.4	90	51	221
125X75		136	125	70	82.4	75	44	237
125X90		136	125	70	98.8	90	51	237
125X110		136	125	70	120	110	61	256
140X90		152.4	140	70	98.8	90	51	248
140X110		152.4	140	76	120	110	61	268.5

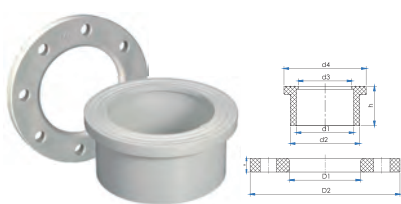


THREAD PLUG

Size	Nom	D	d	G	H
20		24	13	1/2"	28
25		30.4	19	3/4"	30.7
32		39.2	23	1"	37.5

Size	Nom	D	d	L	D1	d1	I	H
160 X 75		174	160	86	82.4	75	44	251
160 X 90		174	160	86	98.8	90	51	267.5
160 X 110		180.6	160	86.5	126.4	110	61	288
160 X 125		174	160	86	136	125	70	303
160 X 140		174	160	86	152.4	140	76	318.5
180 X 160		196.6	180	96	174	160	86	357
200 X 75		217.6	200	106	82.4	75	44	291
200 X 90		217.6	200	106	98.8	90	51	331
200 X 110		217.6	200	106	120	110	61	331
200 X 160		225.6	200	107	180.6	160	86.5	394.6
225 X 110		245	225	119	120	110	61	359.5
225 X 160		245	225	119	174	160	86	406.5
250 X 110		274.6	250	131	120	110	61	378
250 X 160		274.6	250	131	174	160	86	428.5
250 X 200		274.6	250	131	217.6	200	106	468.5
280 X 200		306	280	147	217.6	200	106	512
315 X 110		343	315	164	120	110	61	447.5
315 X 160		343	315	164	174	160	86	497.5
315 X 200		343	315	164	217.6	200	106	537
315 X 225		343	315	164	245	225	119	537
315 X 250		343	315	164	274.6	250	131	587
355 X 110		385	355	184	120	110	61	558
355 X 160		385	355	184	174	160	86	558
355 X 200		385	355	184	217.6	200	107	692
355 X 225		385	355	184	245	225	118	692
355 X 250		385	355	184	274.6	250	131	692
400 X 200		431	400	206	217.6	200	106	644
400 X 225		431	400	206	245	225	119	644
400 X 250		431	400	206	274.6	250	131	751
400 X 315		431	400	206	343	315	164	751

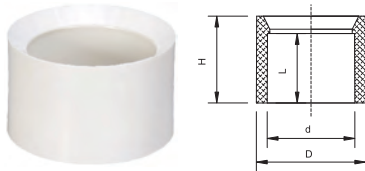
ITEM NO: US010



ITEM NO: US013+US014

PLANE FLANGE & SHORT PIPE FOR FLANGE

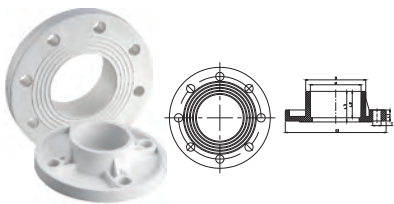
Size	Nom	d1	d2	d3	d4	h	D1	D2	H
63		63.4	76.4	58.8	90.4	43.3	78	165	15
75		75.4	89.3	71.2	105.5	49.6	90.7	179	15.3
90		90.4	106.3	84.7	124	60	107	192.6	15.7
110		110.5	129.8	105	149.5	69	131.4	218.5	18
160		160.6	181.5	150	214	92.5	184.5	284	22.8
200		200.6	223.2	194.5	266.5	120.2	228	338.4	28
225		200	274	225	247.5	118	126	250	32
250		242	327	250	282	133	140	284	34.5
315		299	377	315	345	165.5	174	347.5	36.5



ITEM NO: US005

REDUCING RING

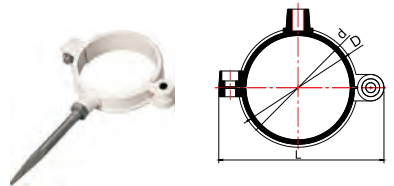
Size	Nom	D	d	L	H
25X20		25	20	17	20.5
32X20		32	20	17	24
32X25		32	25	20	25
40X32		40	32	25	28.5
50X25		50	25	19.5	33.5
50X32		50	32	23	33.5
50X40		50	40	27.5	33.5
63X25		63	25	19.5	40
63X32		63	32	21.7	37.5
63X40		63	40	28.5	40
63X50		63	50	32.5	40
75X50		75	50	33.5	44
75X63		75	63	40	44
90X50		90	50	33.5	51
90X63		90	63	38	51.3
90X75		90	75	44	51
110X63		110	63	38.4	63.3
110X75		110	75	45	63.3
110X90		110	90	46.7	59.6
125X90		125	90	50	69
140X90		140	90	51	76.5
160X90		160	90	51	86.5
160X110		160	110	59.5	85.5
200X110		200	110	61	106
225X110		225	110	61	118.5
250X160		250	160	86	131
		250	200	106	131
250X225		250	225	118.5	131
355X315		355	315	163.5	183.5
400X315		400	315	163.5	206



ITEM NO:US015

TS FLANGE

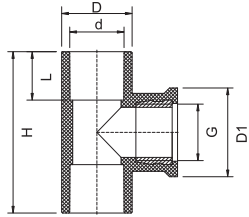
Size	Nom	D	d	D1	L1	L2	L3	T
20		27	20.3	95	14	16	20.2	4X13.5
25		33	25.3	105	16	19	23.2	4X14
32		40	32.4	115	16	22	26.2	4X14
40		50	40.4	140	16	26	30.5	4X18
50		61	50.4	150	17.6	30.5	34.1	4X18
63		76	63.4	164.6	18	38.9	43	4X18
75		90	75.5	185	19.3	44	48	4X18
90		106.8	90.5	194.5	22.2	46.5	54	4X18
110		131	110.6	220	24	57.6	66.6	4X18



ITEM NO: US006

PIPE CLAMP

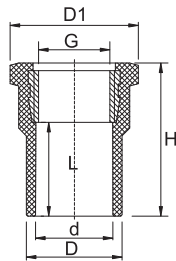
Size	Nom	D	d	L
20		23.4	20	40
25		29.4	25	45
32		36	32	55
40		44	40	63
50		54	50	77
63		68.5	63	100



ITEM NO: UST03

COPPER THREAD TEE

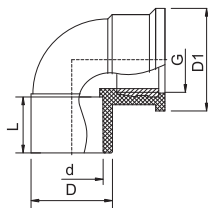
Size	Nom	D	d	L	G	H	D1
20X1/2"		25	20	17	1/2"	60	33
25X1/2"		30.8	25	19.5	1/2"	68	33
25X3/4"		30.8	25	19.5	3/4"	73	40
32X1/2"		38.3	32	23	1/2"	68	33
32X3/4"		38.3	25	23	3/4"	73	40
32X1"		38.3	32	23	1"	90	45



ITEM NO: US009

COPPER THREAD COUPLING

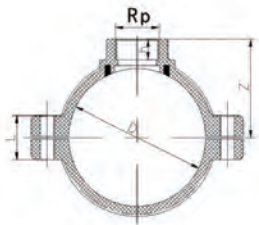
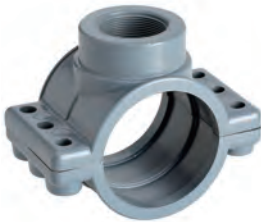
Size	Nom	D	d	D1	G	L	H
20X1/2"		25	20	33.5	1/2"	24.5	40
25X1/2"		30.8	25	35.3	1/2"	19.5	43
25X3/4"		30.8	25	40.4	3/4"	28	45
32X1/2"		38.3	32	33.5	1/2"	23	43
32X3/4"		38.3	25	44.2	3/4"	23	47
32X1"		38.3	32	50	1"	23	49



ITEM NO: USE03

90° COPPER THREAD ELBOW

Size	Nom	D	d	L	G	D1
20X1/2"		25	20	17	1/2"	33
25X1/2"		30.8	25	19.5	1/2"	33
25X3/4"		30.8	25	19.5	3/4"	40
32X1/2"		38.3	32	23	1/2"	33
32X3/4"		38.3	25	23	3/4"	40
32X1"		38.3	32	23	1"	45

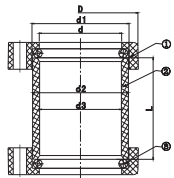


ITEM NO:USS01

UPVC SADDLE CLAMP

Nom Size	D	Rp	H	Z	L
50X25	50	25	26	59	23
63X25	63	25	26	65	28
63X1"	63	1"	21	60	28
75X3/4"	75	3/4"	20	65	31
75X1 1/2"	75	1 1/2"	24	68	31
90X25	90	25	26	80	36
90X1"	90	1"	24	79.5	36
90X1 1/2"	90	1 1/2"	24	75	36
110X1/2"	110	1/2"	24	88.5	38
110X3/4"	110	3/4"	20	88.5	38
110X1"	110	1"	24	88.5	38
110X1 1/2"	110	1 1/2"	35	97	38
110X2"	110	2"	35	97	38
110X2 1/2"	110	2 1/2"	35	97	38
125X1 1/2"	125	1 1/2"	37	105	37
125X2"	125	2"	37	105	37
125X2 1/2"	125	2 1/2"	37	105	37
160X1"	160	1"	24	114.5	55
160X1 1/2"	160	1 1/2"	36	125	55
160X2"	160	2"	36	125	55

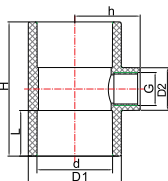
Nom Size	D	Rp	H	Z	L
160X2 1/2"	160	2 1/2"	36	125	55
200X1 1/2"	200	1 1/2"	35	142	74
200X2"	200	2"	37	142	74
200X2 1/2"	200	2 1/2"	37	142	74
225X3/4"	225	3/4"	20	153.5	76
225X1 1/2"	225	1 1/2"	37	153.5	76
225X2"	225	2"	37	153.5	76
225X2 1/2"	225	2 1/2"	37	153.5	76
250X2"	250	2"	28	170	76
250X2"(铜)	250	2"	28	170	76
250X2 1/2"	250	2 1/2"	38	170	76
250X3"	250	3"	34	170	76
250X110	250	110	61.5	195	76
315X2"(铜)	315	2"	27	170	70
315X110	315	110	63	231.5	70
315X160	315	160	86	250	70
400X110	400	110	61	285	87
400X200	400	200	106	330	87
400X250	400	250	162	385	87



ITEM NO:USG001

GIBOT

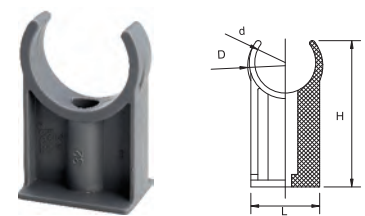
Size	Nom	D	d	d1	d2	d3	L
63		90.6	64.5	76	75	64	79.5
75		102.83	76	90.44	90	76	92
90		132.5	91	109.5	91	91	105
110		154.5	111	131.5	129.4	111	130.6
160		211	161	184.5	184		155.6
200		260.7	201	229.4	228.8		205.6
225		291.6	226	257.3	256.8		230.6
250		320.2	251	285.1	284.6		255.6



ITEM NO:USF001

FEMALE REDUCING TEE

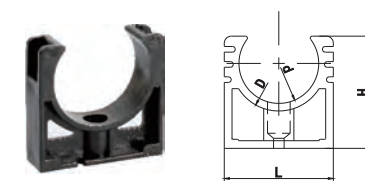
Size	Nom	D1	D2	d	L	H	h	G
63X3/4"		75	34	63	40	113	51.5	3/4"



ITEM NO: US008

U-BRACKET

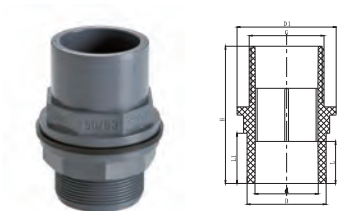
Size	Nom	D	d	L	H
20	24	19.5	22	46.8	
25	32.8	24.5	29.4	52	
32	40.5	31.5	37	57	
40	50	39.5	39.6	64	
50	61.2	49.5	44	69.8	
63	77	62.5	60	80	



ITEM NO:US017

CLAMP (PP)

Size	Nom	D	d	L	H
25	31	24.5	37.8	36.8	
32	37.9	31.5	47.8	43	
40	47	39.5	54	55.5	
50	56.6	49.5	63.5	60	
63	68.7	62.5	76.5	66.5	



ITEM NO:USG002

FLANGE COUPLING M/F

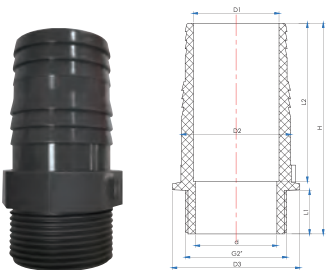
Size	Nom	d	D	D1	L	L1	H	H1	G
32X40X1 1/4"	32	40	57.8	22.5	28.5	91.8	17	1 1/4"	
40X50X1 3/4"	40	50	71.8	28.5	33.5	98.5	19.2	1 3/4"	
50X40X2 1/2"	40.4	50	57.9	28.5	33.5	98.5	19	2 1/2"	
50X63X2"	50	63	79	33.5	40	109.3	21	2"	
63X75X2 1/2"	63	75	95	40	44	120	23	2 1/2"	



ITEM NO:USC01

HOSE CONNECTOR

Size	Nom	D	d	D1	L	L1	H
20	20	14	18	31			73
25	25	17	20.8	36.5	21		76
32	32	24	27.8	39.5	22		80.5
40	40	32	37	42	26		92
50	50	41	47	45.5	31		100



ITEM NO:USC02

MALE HOSE CONNECTOR

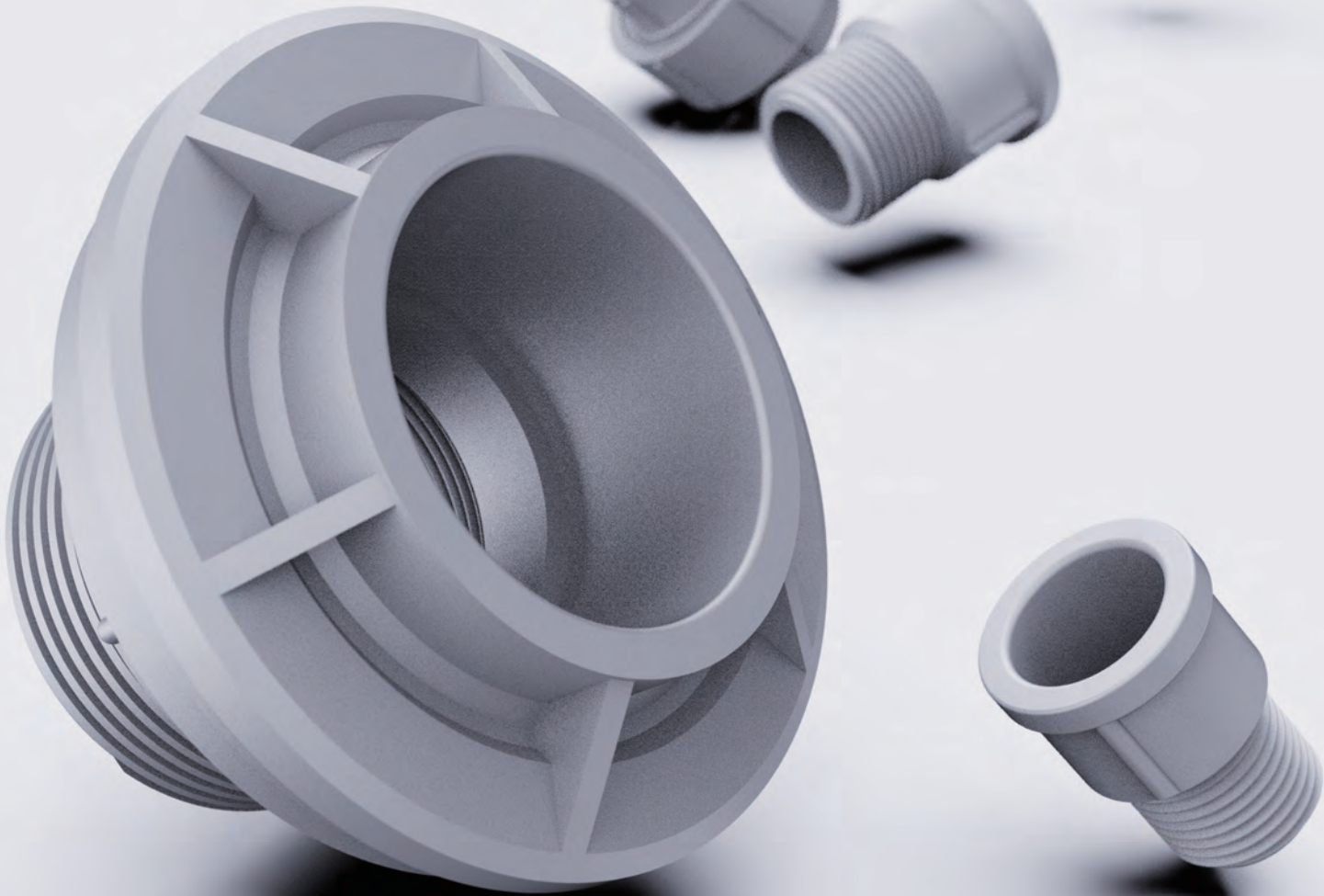
Size	Nom	D1	D2	D3	d	L1	L2	H	G
20X22X1/2"	15	22	24	14.5	15	45	66	1/2"	
25X27X3/4"	19	25	30	18	15.5	49	70.5	3/4"	
30X32X1"	24	30	36	24	19		77	1"	
40X42X1 1/4"	33	39.4	46	32	22	59	88	1 1/4"	
50X52X1 1/2"	42	49	55	37.5	22	62	91	1 1/2"	
60X64X2"	50.5	64	75	48	25.7	93	124	2"	



ITEM NO: UST04

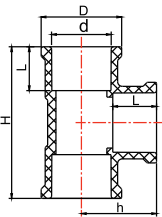
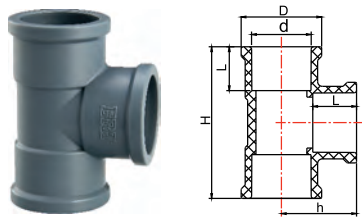
SKEW TEE

Size	Nom	d	D	H	L
110	198	126.4	284.4	61	



PVC PRESSURE
FITTINGS TYPE II

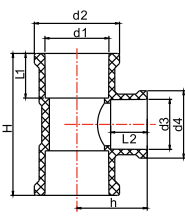
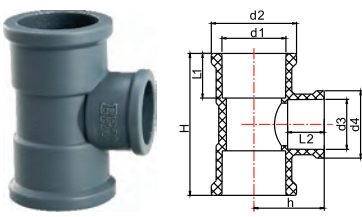
PRESSURE



ITEM NO:USII001

TEE

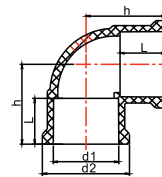
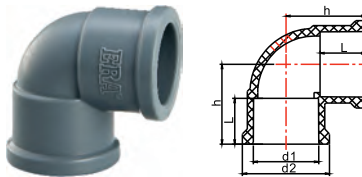
Size	Nom	d1	d2	L	h	H
20	20	28.5	16.5	28	54.2	
25	25	34	18.5	31.8	64	
32	32	43	22.5	40	78.2	
40	40	51.5	26.2	47.1	95	
50	50	63	31.3	58	115	
63	63	80	37.5	70	140	



ITEM NO:USII002

REDUCING TEE

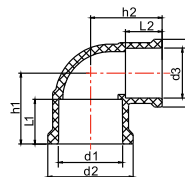
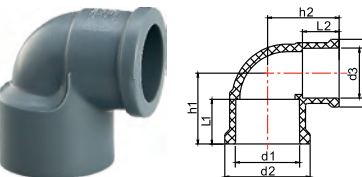
Size	Nom	d1	d2	d3	d4	L1	L2	h	H
25X20	25	34	20	28.5	18.5	16.5	29.6	59.2	
32X25	32	43	25	34	22.5	18.5	35.5	71.6	
40X32	40	51.5	32	43	26.2	22.5	44	86.5	
50X32	50	63	32	43	31.3	22.5	48.5	97	
50X40	50	63	40	51.5	31.3	26.2	53	105.5	



ITEM NO:USII003

90° ELBOW

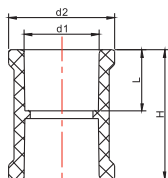
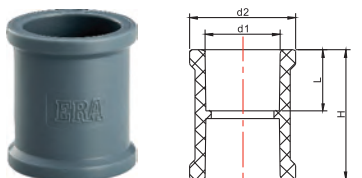
Size	Nom	d1	d2	h	L
20	20	28.5	27.4	16.5	
25	25	34	32	18.5	
32	32	43	39.3	22.5	
40	40	51.5	47.8	26.2	
50	50	63	58.5	31.3	
63	63	80	70.5	37.5	



ITEM NO:USII004

REDUCING ELBOW

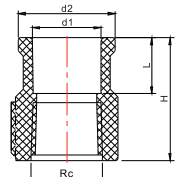
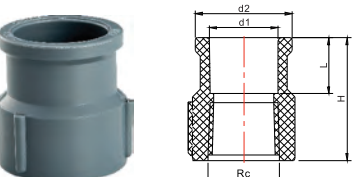
Size	Nom	d1	d2	d3	d4	L1	L2	h1	h2
25X20	25	34	20	28.5	18.5	16.5	29.8	30	
32X25	32	43	25	34	22.5	18.5	35.7	36.1	
40X32	40	51.5	32	43	26.2	22.5	44	44.8	



ITEM NO:USII005

COUPLING

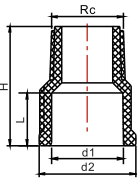
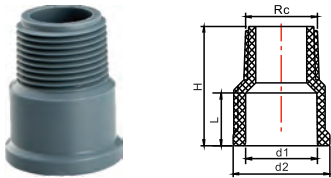
Size	Nom	d1	d2	H	L
20	20	28.5	35	16.5	
25	25	34	40.3	18.5	
32	32	43	47.6	22.5	
40	40	51.5	55.5	26.2	
50	50	63	65.7	31.3	
63	63	80	79	37.5	



ITEM NO:USII006

FEMALE ADAPTOR

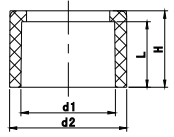
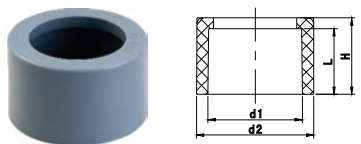
Size	Nom	Rc	H	d1	d2	L
20X1/2"	1/2"	36.2	20	28.5	16.5	
25X3/4"	3/4"	40.2	25	34	18.5	
32X1"	1"	47.5	32	43	22.5	
40X1 1/4"	1 1/4"	55	40	51.5	26.2	
50X1 1/2"	1 1/2"	57.5	50	62	31.3	



ITEM NO:USII007

MALE ADAPTOR

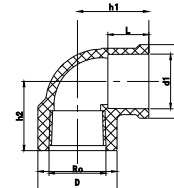
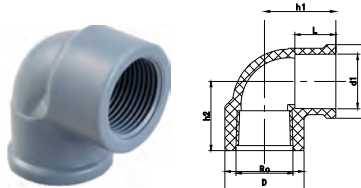
Nom Size	Rc	H	d1	d2	L
20X1/2"	1/2"	38	20	28.5	16.5
25X3/4"	3/4"	42	25	34	18.5
32X1"	1"	49.5	32	43	22.5
40X1 1/4"	1 1/4"	56	40	51.5	26.2
50X1 1/2"	1 1/2"	65.7	50	63	31.3
63X2"	2"	78.6	63	80	37.5



ITEM NO:USII008

REDUCING RING

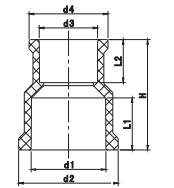
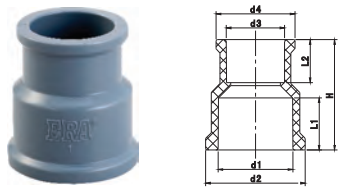
Nom Size	d1	d2	L	H
25X20	20	25	16.5	18.7
32X25	25	32	18.5	22.2
40X32	32	40	22.5	26.2
50X40	40	50	26.2	31.6
63X50	50	63	31.3	37.9



ITEM NO:USII010

FEMALE ELBOW

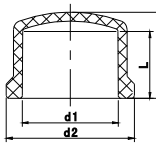
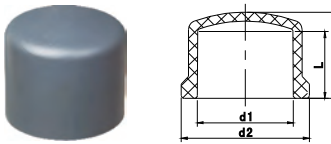
Nom Size	d1	d2	D	Rc	L	h1	h2
20X1/2"	20	28.5	30.2	1/2"	16.5	26.4	28.5
25X3/4"	25	34	36.6	3/4"	18.5	33	32
32X1"	32	43	44	1"	22.5	39.4	39.5



ITEM NO:USII012

REDUCING COUPLING

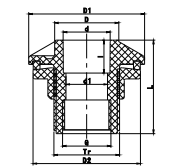
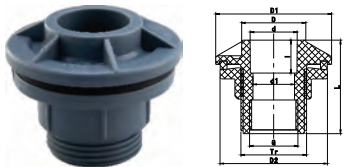
Nom Size	d1	d2	d3	d4	L1	L2	H
25x20	25	34	20	28.5	18.5	16.5	40
32x25	32	43	25	34	22.5	18.5	47.6
40x32	40	51.5	32	43	26.2	22.5	56
50x32	50	43	43.7	32.3	29.5		61.5



ITEM NO:USII011

END PLUG

Nom Size	d1	d2	L	H
20	20	28.5	16.5	21.5
25	25	34	18.5	25
32	32	43	22.5	29
40	40	51.5	26.2	33
50	50	63	31.3	39.2
63	63	80	37.5	47.4



ITEM NO:USII014

FLANGE COUPLING

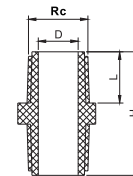
Nom Size	D1	D2	D	d	d1	L	G	Tr
32X1"	79.5	73.8	44	32	28.6	22.5	64	1"
40X1 1/4"	87.6	82	54.8	40	35	26.2	64	1 1/4"
50X1 1/2"	95	87.5	61	50	43	36.3	67.2	1 1/2"
63X2"	109	102	74.8	63	54.4	37.5	67.5	2"

PVC THREAD
FITTINGS
(BS STANDARD)

PRESSURE



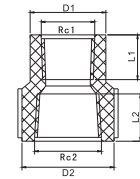
PVC THREAD FITTINGS (BS STANDARD)



ITEM NO:TPF001

● NIPPLE M/M

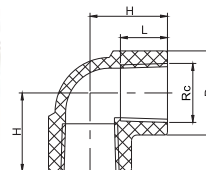
Nom Size	Rc	L	H	D
1/2"	1/2"	17	41	13.4
3/4"	3/4"	18.5	45	18.4
1"	1"	22.6	54.2	25.2
1 1/4"	1 1/4"	23	54	31.5
1 1/2"	1 1/2"	24	56	36.5
2"	2"	26	60.5	47.5
2 1/2"	2 1/2"	30	69	64
3"	3"	32	73.5	74.6
4"	4"	37.5	85	98.8



ITEM NO:TPF002

● FEMALE REDUCING COUPLING F/F

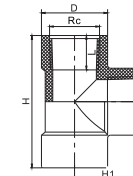
Nom Size	Rc1	Rc2	D1	D2	L1	L2	H
3/4"X1/2"	1/2"	3/4"	30	36.5	17.5	18.5	41.6
1"X1/2"	51	91.8	58	74.6	43.5	92.5	120
1"X3/4"	3/4"	1"	36.5	44	18.5	22	45.5
1 1/2"X3/4"	3/4"	1 1/2"	36.5	60.8	18.5	25	52.5
1 1/2"X1"	1"	1 1/2"	44	60.8	22	25	56



ITEM NO:TPF003

● FEMALE ELBOW F/F

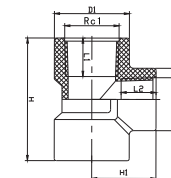
Nom Size	Rc	L	H	D
1/2"	1/2"	17	28	30
3/4"	3/4"	18.5	32.75	36.5
1"	1"	22	39.5	44
1 1/4"	1 1/4"	24	47	54.6
1 1/2"	1 1/2"	25	49	60.4
2"	2"	29	61.2	74
2 1/2"	2 1/2"	31.5	72	93.3
3"	3"	33	79.15	104.6
4"	4"	36.5	96.2	132.5



ITEM NO:TPF004

● FEMALE TEE F/F/F

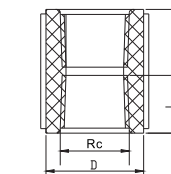
Nom Size	L	D	Rc	H	H1
1/2"	17	30	1/2"	56.6	28.4
3/4"	18.5	36.5	3/4"	65.5	32.8
1"	22.6	44	1"	87	44.5
1 1/4"	23.5	53.4	1 1/4"	94	47
1 1/2"	25	60.2	1 1/2"	99	49.5
2"	28	74	2"	120.4	60.2
2 1/2"	31.5	93.3	2 1/2"	144	72
3"	33	105.6	3"	158.3	79.15
4"	37.5	132.8	4"	194.4	97.2



ITEM NO:TPF005

● FEMALE REDUCING TEE F/F/F

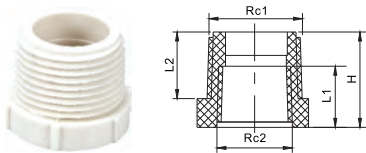
Nom Size	L1	L2	D1	D2	Rc1	Rc2	H	H1
3/4"X1/2"	18.5	17.1	36.5	30	3/4"	1/2"	59	109.8
1"X1/2"	51	91.8	58	74.6	43.5	92.5	120	152.4
1"X3/4"	22.6	18.5	44	36.5	1"	3/4"	72.3	37.2
2"X1 1/2"	28	25	74	60.8	2"	1 1/2"	103.8	58.1



ITEM NO:TPF006

● FEMALE COUPLING F/F

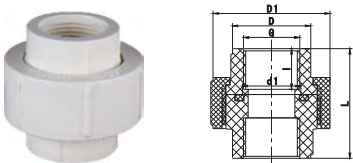
Nom Size	Rc	L	H	D
1/2"	1/2"	17.5	37.5	30
3/4"	3/4"	18.5	40.3	36.5
1"	1"	22	48.3	44
1 1/4"	1 1/4"	54.3	40.3	51.5
1 1/2"	1 1/2"	26.5	56	60.8
2"	2"	28	59	74.2
2 1/2"	2 1/2"	30	63	95.7
3"	3"	32	66	109.4
4"	4"	37.5	78	135.6



ITEM NO:TPF007

REDUCER M/F

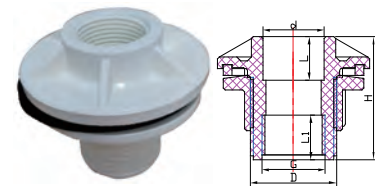
Nom Size	Rc1	Rc2	L1	L2	H
3/4"X1/2"	1/2"	3/4"	17	18.5	26.5
1"X1/2"	1/2"	1"	17	22.6	31
1"X3/4"	3/4"	1"	18.5	22.6	31.6
1 1/4"X3/4"	1 1/4"	3/4"	18.5	22.5	31.5
1 1/4"X1"	1 1/4"	1"	22	22.5	31.5
1 1/2"X3/4"	1 1/2"	3/4"	18.5	23	33
1 1/2"X1"	1 1/2"	1"	22	23	33
1 1/2"X1 1/4"	1 1/2"	1 1/4"	24.5	23	33
2"X1"	2"	1"	22	26	37
2"X1 1/4"	2"	1 1/4"	24.5	26	37
2"X1 1/2"	2"	1 1/2"	25	26	37
3"X2 1/2"	3"	2 1/2"	28	32	43
3"X2"	3"	2"	31	32	43
4"X2"	4"	2"	28	38	50
4"X3"	4"	3"	34	38	50



ITEM NO:TPF015

FEMALE UNION

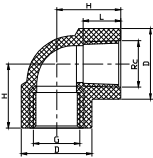
Nom Size	D1	D	G	d1	I	L
1/2"	48	30.2	1/2"	15	17	45.5
3/4"	55	36.8	3/4"	22	19	51.5
1"	64	44	1"	26	21	54.2
1 1/4"	77.5	52	1 1/4"	32.8	25.9	68.2
1 1/2"	86.5	59	1 1/2"	40	31.3	74.3
2"	101	72.8	2"	53.5	37.5	85.2



ITEM NO:TPF022

FLANGE ADAPTER FF

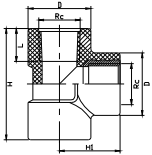
Nom Size	D	G	d	L	L1	H
1/2"	30	1/2"	20.2	16.5	16.5	60
3/4"	38	3/4"	25.2	18.5	17.5	62.2
1"	45	1"	32.3	22.5	23	64
1 1/4"	53	1 1/4"	40.3	21.6	26.5	64.2
1 1/2"	57.8	1 1/2"	50.4	31.5	24.5	67.2
2"	73	2"	63.4	37.5	28.5	67.5



ITEM NO:TPF009

FEMALE ELBOW W/BRASS

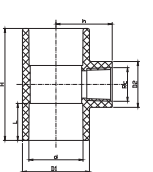
Nom Size	D	Rc	L	H
1/2"	32	1/2"	17	29



ITEM NO:TPF011

FEMALE TEE W/BRASS

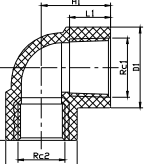
Nom Size	D	Rc	L	H	H1
1/2"	32	1/2"	17	57	31



ITEM NO: TPF021

BRASS FEMALE THREAD REDUCING TEE F/F/F

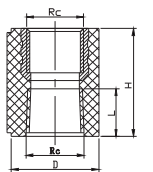
Nom Size	D1	D2	d	L	H	h	Rc
3/4"X1/2"	36	32	26.44	18.5	67	32.5	1/2"



ITEM NO:TPF010

REDUCING ELBOW W/BRASS

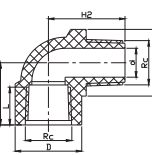
Nom Size	D1	Rc1	D2	Rc2	L1	H1	H2
3/4"X1/2"	36	3/4"	32	1/2"	18.5	31	32.5



ITEM NO:TPF013

FEMALE ADAPTOR W/BRASS

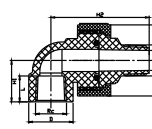
Nom Size	D	Rc	L	H
1/2"	32	1/2"	17	39.5
3/4"X1/2"	36	1/2" 3/4"	18	42.5



ITEM NO:TPF012

90° ELBOW M/F

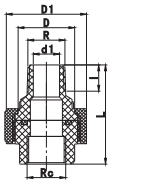
Nom Size	D	R(Rc)	d	L	H1	H2
1/2"X1/2"	30	1/2"	13	17	28	34.5
3/4"	36.5	3/4"	18.4	18.5	32.75	39.55
1"	44	1"	22.6	22	39.5	46.8
1 1/4"		1 1/4"				
1 1/2"	60.8	1 1/2"	36.6	25	51.5	59.4
2"	74	2"	47	2861		69.5
2 1/2"	93.2	2 1/2"	58	31	72.5	82.5



ITEM NO:TPF014

MALE ELBOW W/UNION

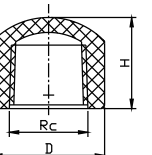
Nom Size	D	R(Rc)	d	L	H1	H2	D1
1/2"	30	1/2"	13.5	17	28	66.5	48
3/4"	25	36.8	55	36	3/4"	76.5	63



ITEM NO:TPF016

MF THREAD UNION

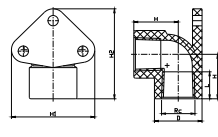
Nom Size	D1	D	R	d1	I	L
1/2"	48	30.2	1/2"	13.5	15	61
3/4"	55	36.8	3/4"	18	18	68
1"	55	45.5	1"	23	22	77



ITEM NO:TPF017

FEMALE THREAD CAP

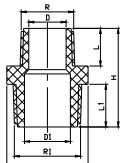
Nom Size	D	H	Rc
1/2"	30	24.4	1/2"



ITEM NO:TPF018

FEMALE THREAD ELBOW WITH EAR

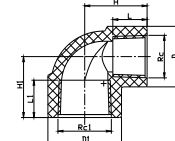
Nom Size	D	L	H	H1	H2	Rc
1/2"	30	17	28	52.5	56.6	1/2"



ITEM NO:TPF019

REDUCING NIPPLE

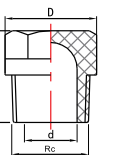
Nom Size	D	D1	D2	L	L1	H	R	R1
1/2"X3/4"	13.4	18.4	32.2	17	18.5	43.5	1/2"	3/4"
1X1/2"	13.4	22.3	40	17	21	47	1/2"	1"
1"X3/4"	18.4	22.6	40	18.5	21	48.5	3/4"	1"
1 1/4"X1"	22.6	31.4	47	21	22.5	52.5	1"	1 1/4"
1 1/2"X1 1/4"	31.4	36.6	53.5	22.5	23	55.5	1 1/4"	1 1/2"



ITEM NO:TPF020

REDUCING FEMALE ELBOW

Nom Size	D	D1	L	L1	H	H1	R	R1
1/2"X3/4"	30	36.5	17	18.5	30.95	30.2	1/2"	3/4"
1"X3/4"	36.5	44	18.5	22	34.5	36.5	3/4"	1"



ITEM NO:TPF008

THREAD PLUG

Nom Size	D	d	Rc	H
1/2"	24	13	1/2"	26.5
3/4"	31	17.8	3/4"	31
1"	39.2	23	1"	37.5
1 1/4"	43.3	31.5	1 1/4"	36
1 1/2"	50	36.5	1 1/2"	38.5
2"	57	47.5	2"	43



PVC-U PRESSURE
PIPES & FITTINGS
(SCH40)
PRESSURE



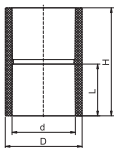
ASTM D2466 PVC PRESSURE PIPES & FITTINGS (SCH40)



ITEM NO: US4001

PRESSURE PIPES

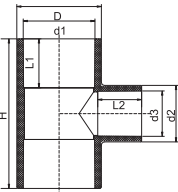
Nom Size	Outer Dia	Wall Thickness
1/2"	21.34	2.77
3/4"	26.67	2.87
1"	33.4	3.38
1 1/4"	42.16	3.56
1 1/2"	48.26	3.68
2"	60.33	3.91
2 1/2"	73.03	5.16
3"	88.9	5.49
4"	114.3	6.02
6"	168.3	7.11



ITEM NO: US4003

COUPLING

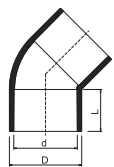
Nom Size	D	d	H	L
1/2"	27.5	21.34	40.7	19
3/4"	33.5	26.67	55.1	26
1"	40.9	33.4	57.4	27.5
1 1/4"	50.1	42.16	60.4	29
1 1/2"	56.6	48.26	70.4	34
2"	69	60.33	82.4	40
2 1/2"	84.4	73.03	94.8	45
3"	100.9	88.9	100.8	48
4"	127.3	114.3	112.8	54
6"	183.6	168.3	159.8	76.7



ITEM NO: US4T02

REDUCING TEE

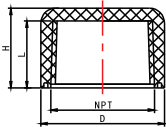
Nom Size	D	d1	d2	d3	L1	L2	H
3/4"X1/2"	33.8	26.67	28.0	21.34	26	19	77.8
1"X1/2"	40.9	33.4	27.5	21.34	27.5	19	80.3
1"X3/4"	40.9	33.4	33.5	26.67	27.5	26	86.0
1 1/4"X1/2"	50.1	42.16	27.5	21.34	29	19	83.3
1 1/4"X3/4"	50.1	42.16	33.7	26.67	29	26	88.6
1 1/4"X1"	50.1	42.16	40.9	33.4	29	27.5	95.6
1 1/2"X1/2"	56.6	48.26	27.5	21.34	34	19	93.3
1 1/2"X3/4"	56.6	48.26	33.5	26.67	34	26	99
1 1/2"X1"	56.6	48.26	40.9	33.4	34	27.5	105.1
1 1/2"X1 1/4"	56.6	48.26	50.1	42.16	34	29	114
2"X1/2"	69	60.33	27.5	21.34	40	19	105.3
2"X3/4"	69	60.33	33.5	26.67	40	26	110.6
2"X1"	69	60.33	40.9	33.4	40	27.5	117.5
2"X1 1/4"	69	60.33	50.1	42.16	40	29	125.8
2"X1 1/2"	69	60.33	56.6	48.26	40	34	131.9



ITEM NO: US4E01

45° ELBOW

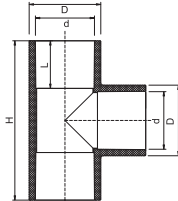
Nom Size	D	d	L
1/2"	27.5	21.34	19
3/4"	33.5	26.67	24.1
1"	40.8	33.4	27.5
1 1/4"	50.1	42.16	29
1 1/2"	56.6	48.26	34
2"	69	60.33	40
2 1/2"	84.4	73.03	45
3"	100.9	88.9	48
4"	127.3	114.3	54
6"	183.6	168.3	76.7



ITEM NO: US4F01

FEMALE PLUG

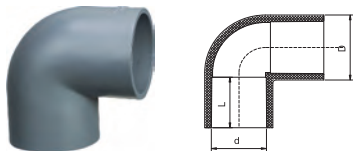
Nom Size	D	NPT	L	H
1/2"	27.5	1/2"	19	23
3/4"	33.5	3/4"	21.5	25.8
1"	40.9	1"	26.5	31.7
1 1/4"	50.1	1 1/4"	27.1	32.3
1 1/2"	56.6	1 1/2"	27.6	33.1
2"	69	2"	27.6	33.1



ITEM NO: US4T01

STRAIGHT TEE

Nom Size	D	d	L	H
1/2"	27.9	21.34	19	63.7
3/4"	33.5	26.67	26	83.1
1"	40.8	33.4	27.5	92.1
1 1/4"	50.1	42.16	29	104
1 1/2"	56.6	48.26	34	120
2"	69	60.33	40	143.5
2 1/2"	84.4	73.03	45	168.2
3"	100.9	88.9	48	190
4"	127.3	114.3	54	230.5
6"	183.6	168.3	76.7	332

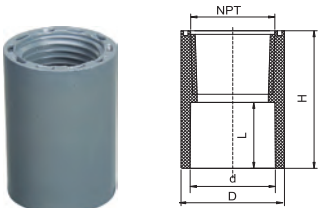


NSF

ITEM NO:US4E02

90° ELBOW

Nom Size	D	d	L
1/2"	27.5	21.34	19
3/4"	33.5	26.67	25.6
1"	40.5	33.4	27.5
1 1/4"	50.1	42.16	29
1 1/2"	56.6	48.26	34
2"	69	60.33	40
2 1/2"	84.4	73.03	45
3"	100.9	88.9	48
4"	127.3	114.3	57.5
6"	183.6	168.3	76.7

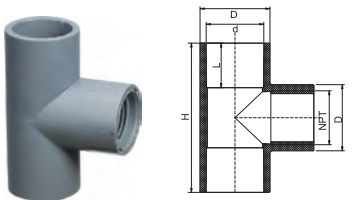


NSF

ITEM NO: US4011

FEMALE ADAPTOR

Nom Size	D	d	H	L	NPT
1/2"	27.5	21.34	40.4	19	1/2"
3/4"	33.5	26.67	49.9	26	3/4"
1"	40.9	33.4	57.4	27.5	1"
1 1/4"	50.1	42.16	60.4	29	1 1/4"
1 1/2"	56.6	48.26	64.4	34	1 1/2"
2"	69	60.33	71.1	40	2"
2 1/2"	84.4	73.03	82.8	45	2 1/2"
3"	100.9	88.9	95.4	48	3"
4"	127.3	114.3	103.3	54	4"
6"	183.6	168.3	131.1	76.7	6"

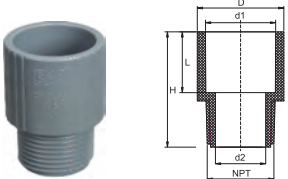


NSF

ITEM NO:US4T04

FEMALE TEE

Nom Size	D	d	L	H	NPT
1/2"	27.5	21.34	19	63.3	1/2"
3/4"	33.5	26.67	26	83	3/4"
1"	40.9	33.4	27.5	92.1	1"
1 1/4"	50.1	42.16	29	101.4	1 1/4"
1 1/2"	56.6	48.26	34	117.5	1 1/2"
2"	69	60.33	40	142	2"

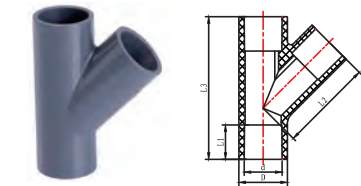


NSF

ITEM NO:US4012

MALE ADAPTOR

Nom Size	D	d1	d2	NPT	H	L
1/2"	27.5	21.34	13	1/2"	40.8	19.7
3/4"	33.4	26.67	18.5	3/4"	43.3	20
1"	41.3	33.4	24	1"	55	29
1 1/4"	50.7	42.16	30.2	1 1/4"	59.9	29.5
1 1/2"	57.2	48.26	35.9	1 1/2"	65.6	34
2"	69.6	60.33	48.6	2"	72.6	40.9
2 1/2"	84.4	73.03	55.5	2 1/2"	82.5	45
3"	100.9	88.9	70.7	3"	94.8	48
4"	127.3	114.3	94.9	4"	103.8	54
6"	183.6	168.3	146.4	6"	131.1	76.7

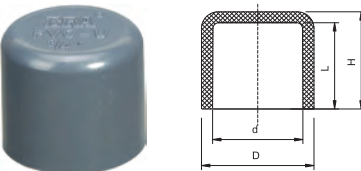


NSF

ITEM NO:US4T03

SKEW TEE

Nom Size	D	d	L1	L2	L3
1/2"	27.54	21.54	19.5	52.99	81
3/4"	33.47	26.87	26	62.05	94
1"	40.8	133.65	27.5	72.4	114

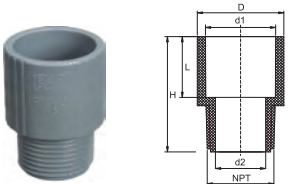


NSF

ITEM NO: US4016

END PLUG

Nom Size	D	d	L	H
1/2"	27.5	21.34	19	22
3/4"	34	26.67	26	30
1"	40.9	33.4	27.5	30.9
1 1/4"	50.1	42.16	29.6	33.4
1 1/2"	56.6	48.26	34	38.6
2"	69	60.33	40.5	44.5
2 1/2"	84.4	73.4	45	51.8
3"	101.3	88.9	49.5	57.2
4"	128	114.3	54	61.6
6"	184.4	168.3	80	89

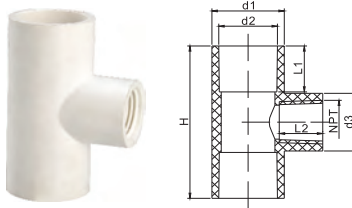


NSF

ITEM NO:US4017

REDUCING MALE ADAPTOR

Nom Size	D	d	d1	NPT	L	H
3/4"X1/2"	33.4	26.85	13	1/2"	20	42.3

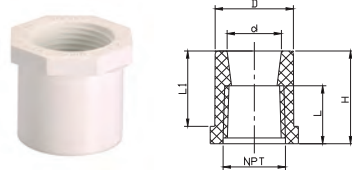


NSF

ITEM NO:US4T06

REDUCING FEMALE TEE

Nom Size	H	L1	L2	NPT	d1	d2	d3
3/4"X1/2"	74	22.3	20	1/2"	33.3	27	28

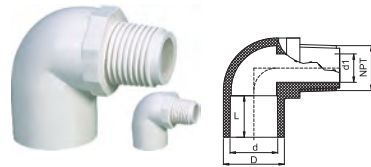


NSF

ITEM NO: US4015

MALE REDUCING RING

Nom Size	D	d	NPT	H	L	L1
3/4"X1/2"	26.6	18.5	1/2"	32	20	26
1"X1/2"	33.27	26.8	1/2"	34.1	20	27.5
1"X3/4"	33.27	26.8	3/4"	34.1	20	27.5
1 1/2"X1/2"	48	40.1	1/2"	41	20	34
2"X1/2"	60.17	51.77	1/2"	47.5	20	40
2"X3/4"	60.17	51.77	3/4"	47.5	21.5	40
2"X1"	60.17	51.77	1"	47.5	23	40

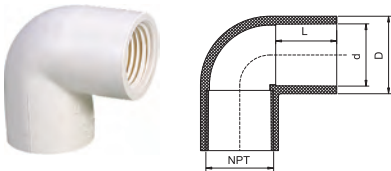


NSF

ITEM NO:US4E05

MALE THREAD ELBOW

Nom Size	D	d	d1	L	NPT
1/2"	27.5	21.34	13	19	1/2"

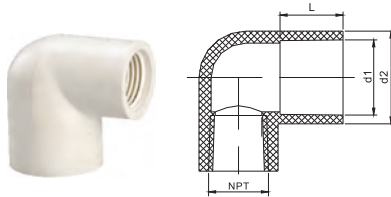


NSF

ITEM NO:US4E04

FEMALE ELBOW

Nom Size	D	d	L	NPT
1/2"	27.8	21.34	19	1/2"
3/4"	33.8	26.67	26	3/4"
1"	40.9	33.4	27.5	1"
1 1/4"	50.1	42.16	29	1 1/4"
1 1/2"	56.6	48.26	34	1 1/2"
2"	69	60.33	40	2"

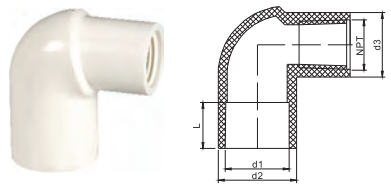


NSF

ITEM NO: US4E07

FEMALE ELBOW SHORT

Nom Size	d1	d2	L	NPT
1/2"	27	33.3	22.3	1/2"

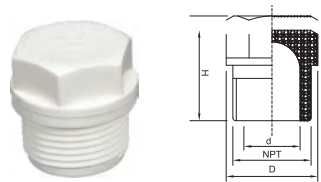


NSF

ITEM NO:US4E06

FEMALE ELBOW LONG

Nom Size	NPT	d1	d2	d3	L
1/2"	1/2"	27.5	33	19.6	27

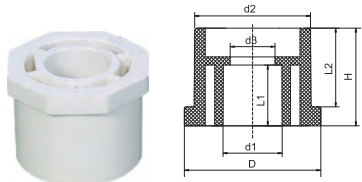


NSF

ITEM NO: US4010

● THREAD PLUG

Nom Size	D	d	NPT	H
1/2"	24	13	1/2"	28
3/4"	31	17.8	3/4"	31
1"	39.2	23	1"	37.5

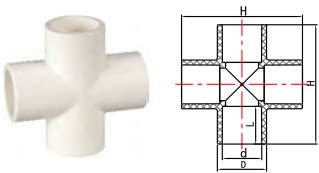


NSF

ITEM NO: US4005

● REDUCING RING

Nom Size	D	d1	d2	d3	H	L1	L2
3/4"X1/2"	31.9	21.34	26.67	18.5	32.6	22.4	26
1"X1/2"	40.3	21.34	33.4	16.3	34.1	22.4	27.2
1"X3/4"	40.8	26.67	33.4	20.6	34.1	25.8	27.5
1 1/4"X1/2"	48.8	21.34	42.16	16.3	36	22.4	28.7
1 1/4"X3/4"	48.9	26.67	42.16	20.6	36	25.8	28.7
1 1/4"X1"	48.9	33.4	42.16	26.9	36	27.5	28.7
1 1/2"X1/2"	55.5	21.34	48.26	16.3	40.8	22.4	33.5
1 1/2"X3/4"	55.5	26.67	48.26	20.6	40.8	25.8	33.5
1 1/2"X1"	55.5	33.4	48.26	26.9	40.8	27	33.4
1 1/2"X1 1/4"	56.6	42.16	48.26	41.0	41	29	34
2"X1/2"	68.4	21.34	60.33	16.3	47.4	22	39.6
2"X3/4"	68.4	26.67	60.33	20.6	47.4	25.8	39.6
2"X1"	68.4	33.4	60.33	27.3	47.4	27	39.6
2"X1 1/4"	68.4	42.16	60.33	35.1	47.4	29	39.6
2"X1 1/2"	68.4	48.26	60.33	47	47.5	34	39.6
3"X1 1/2"	108.6	48.26	88.9	43	58	34	50
3"X2"	104	60.33	88.9	55	58	40	50
4"X2"	138	60.33	114.3	55	54	40	45
6"X4"	199	114.3	168.3	108	80	54	69

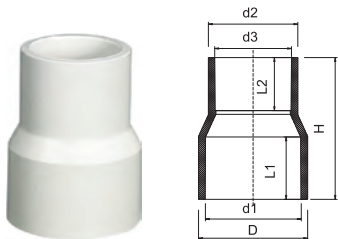


NSF

ITEM NO: US4C01

● CROSS

Nom Size	D	d	L	H
1/2"	27.5	21.34	18.6	62
3/4"	33.5	26.67	26	82.2
1"	40.9	33.4	27.5	93.5
1 1/4"	50.1	42.16	29	104.8
1 1/2"	56.6	48.26	34	120.9
2"	69	60.33	40	146.92

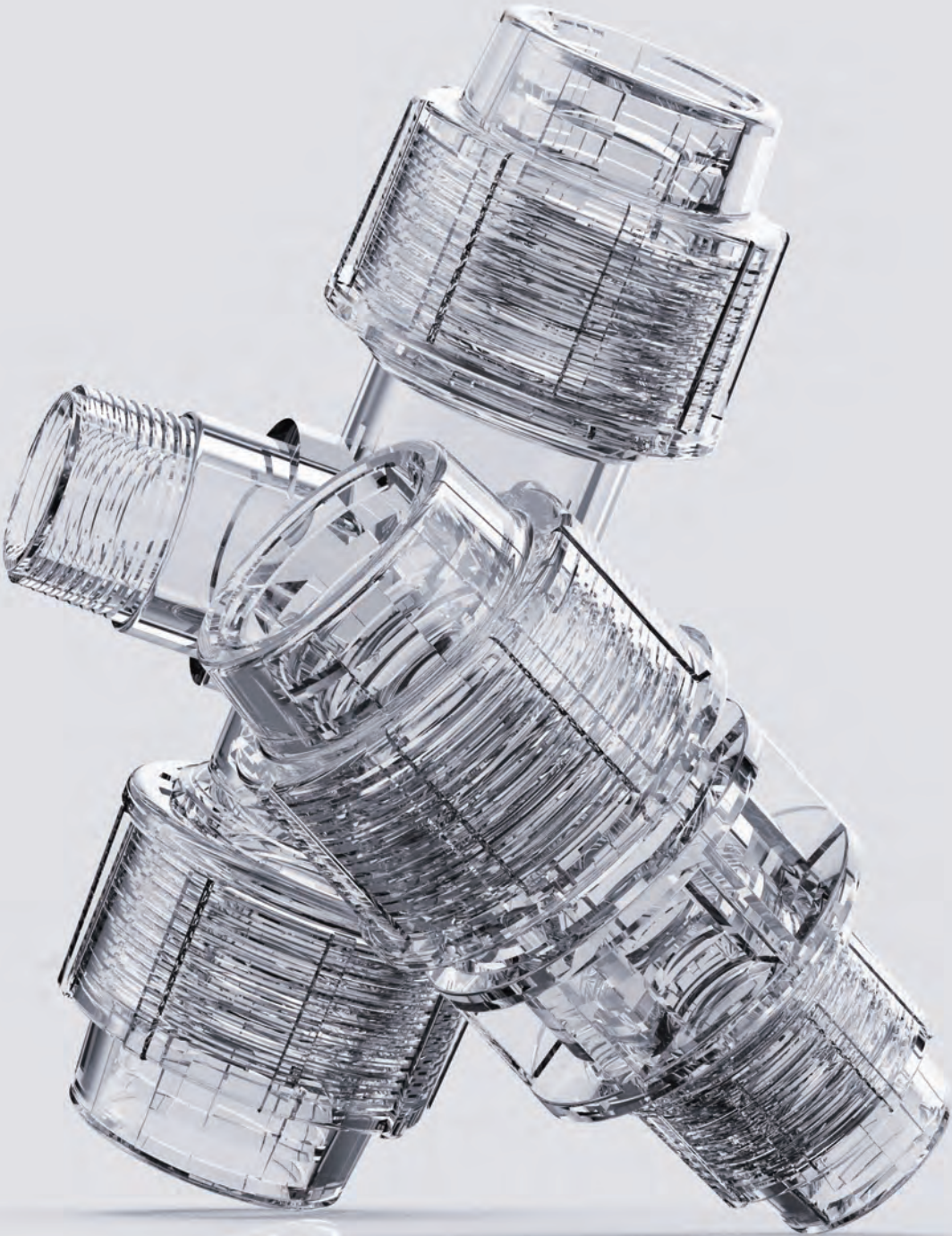


NSF

ITEM NO: US4004

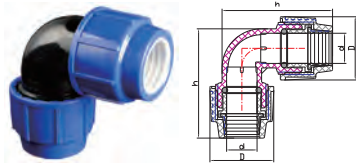
● REDUCING COUPLING

Nom Size	D	d1	d2	d3	H	L1	L2
3/4"X1/2"	33.5	26.67	27.5	21.34	53.9	26	18.5
1"X1/2"	40.9	33.4	27.5	21.34	53.7	27.5	19
1"X3/4"	40.9	33.4	33.5	26.67	63.9	27.5	25.3
1 1/4"X3/4"	50.1	42.16	33.5	26.67	64.4	29	26
1 1/4"X1"	50.1	42.16	40.9	33.4	67.4	29	27.5
1 1/2"X1/2"	56.6	48.26	27.5	21.34	65.4	34	19
1 1/2"X3/4"	56.6	48.26	33.5	26.67	72.4	34	26
1 1/2"X1"	56.6	48.26	40.9	33.4	73.9	34	27.5
1 1/2"X1 1/4"	56.6	48.26	50.1	42.16	74.4	34	29
2"X3/4"	69	60.33	33.5	26.67	82.9	40	26
2"X1"	69	60.33	40.9	33.4	84.4	40	27.5
2"X1 1/4"	69	60.33	50.1	42.16	85.9	40	29
2"X1 1/2"	69	60.33	56.6	48.26	90.9	40	34



PP COMPRESSION
FITTINGS

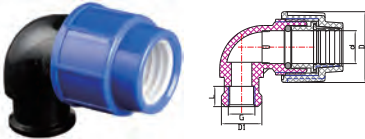
PRESSURE



ITEM NO:PT001

90° ELBOW

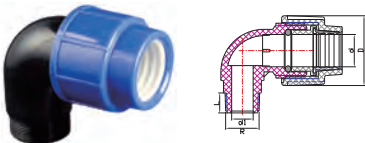
Nom Size	D	d	H
16	38	18.3	63.03
20	44	21	76
25	56	26	96
32	65	33	116
40	80	41	145
50	92	51	163
63	114	64	195
75	128	76	227
90	152	91	264
110	182	111	307



ITEM NO:PT002

FEMALE THREAD ELBOW

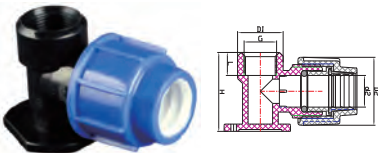
Nom Size	D	d	D1	G	L
16X1/2"	38	18.3	29.7	1/2"	16.5
20X1/2"	44	21	31.6	1/2"	16
20X3/4"	44	21	38.6	3/4"	19
25X1/2"	56	26	31.6	1/2"	16
25X3/4"	56	26	38.6	3/4"	19
32X1/2"	65	33	31.6	1/2"	16
32X3/4"	65	33	38.6	3/4"	19
32X1"	65	33	47.4	1"	22
40X3/4"	80	41	38.6	3/4"	19
40X1"	80	41	47.4	1"	22
40X1 1/4"	80	41	62.0	1 1/4"	24
40X1 1/2"	80	41	67.0	1 1/2"	24
50X1 1/4"	92	51	62.0	1 1/4"	24
50X1 1/2"	92	51	67.0	1 1/2"	24
50X2"	92	51	81.2	2"	28
63X1 1/4"	114	64	62.0	1 1/4"	24
63X1 1/2"	114	64	67.0	1 1/2"	24
63X2"	114	64	81.2	2"	28
75X2"	128	76	81.2	2"	28
75X2 1/2"	128	76	105.0	2 1/2"	33
90X3"	152	91	126.0	3"	35
90X4"	152	91	157.0	4"	40
110X4"	182	111	157.0	4"	40



ITEM NO:PT003

MALE THREAD ELBOW

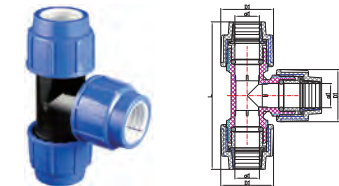
Nom Size	D	d	d1	R	L
20X1/2"	44	21	12	1/2"	14
20X3/4"	44	21	17	3/4"	16
25X1/2"	56	26	12	1/2"	14
25X3/4"	56	26	17	3/4"	16
32X1/2"	65	33	12	1/2"	14
32X3/4"	65	33	17	3/4"	16
32X1"	65	33	22	1"	19
40X1 1/4"	80	41	30	1 1/4"	21
40X1 1/2"	80	41	34	1 1/2"	21
50X1 1/4"	92	51	30	1 1/4"	21
50X1 1/2"	92	51	34	1 1/2"	21
50X2"	92	51	44	2"	26
63X1 1/4"	114	64	30	1 1/4"	21
63X1 1/2"	114	64	33	1 1/2"	21
63X2"	114	64	46	2"	26
75X2 1/2"	128	76	59	2 1/2"	30
90X3"	152	91	70	3"	33
90X4"	152	91	91	4"	38
110X4"	182	111	89	4"	38



ITEM NO:PT004

FEMALE THREAD ELBOW WITH BRACKET

Nom Size	D	d1	L	D2	d2	H
25X3/4"	37	3/4"	19	56	26	65



ITEM NO:PT005

TEE

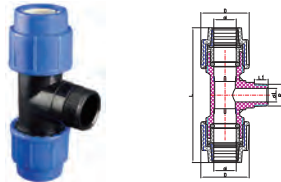
Nom Size	D	d	L
16	38	18.3	104.59
20	44	21	125
25	56	26	158
32	65	33	189
40	80	41	239
50	92	51	262
63	114	64	303
75	128	76	365
90	152	91	420
110	182	111	482



ITEM NO:PT006

FEMALE THREAD TEE

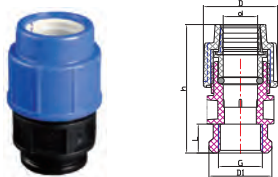
Nom Size	D	d	D1	G	L1	L
16X1/2"	38	18.3	29.7	1/2"	16.5	104.59
20X1/2"	44	21	31.6	1/2"	16	125
20X3/4"	44	21	38.6	3/4"	19	125
25X1/2"	56	26	31.6	1/2"	16	158
25X3/4"	56	26	38.6	3/4"	19	158
25X1"	56	26	47.4	1"	22	158
32X1/2"	65	33	31.6	1/2"	16	189
32X3/4"	65	33	38.6	3/4"	19	189
32X1"	65	33	47.4	1"	22	189
40X1 1/4"	80	41	62.0	1 1/4"	24	239
50X1"	92	51	47.4	1"	22	262
50X1 1/2"	92	51	67.0	1 1/2"	24	262
50X2"	92	51	81.2	2"	28	262
63X1"	114	64	47.4	1"	22	303
63X2"	114	64	81.2	2"	28	303
75X2 1/2"	128	76	105	2 1/2"	33	365
90X3"	152	91	126	3"	35	420
110X3"	182	111	126	3"	35	482
110X4"	182	111	157	4"	40	482



ITEM NO:PT007

MALE THREAD TEE

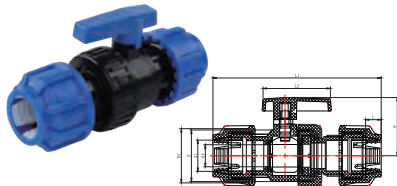
Nom Size	D	d	D1	R	L1	L
20X1/2"	44	21	12	1/2"	14	125
20X3/4"	44	21	16	3/4"	16	125
25X1/2"	56	26	12	1/2"	14	158
25X3/4"	56	26	16	3/4"	16	158
32X1/2"	65	33	12	1/2"	14	189
32X1"	65	33	22	1"	19	189
40X1 1/4"	80	41	30	1 1/4"	21	239
40X1 1/2"	80	41	34	1 1/2"	21	239
50X1 1/2"	92	51	34	1 1/2"	21	262
50X2"	92	51	46	2"	26	262
63X2"	114	64	46	2"	26	303
75X2 1/2"	128	76	59	2 1/2"	30	365
90X3"	152	91	70	3"	33	420
90X4"	152	91	89	4"	38	420
110X4"	182	111	89	4"	38	482



ITEM NO:PT008

FEMALE THREAD SOCKET

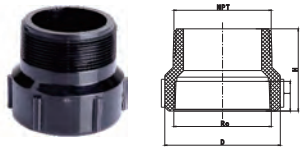
Nom Size	D	d	D1	G	L	h
16X1/2"	38	18.3	29.7	1/2"	15.8	59.29
20X1/2"	44	21	31.6	1/2"	16	75
20X3/4"	44	21	38.6	3/4"	19	78
25X1/2"	56	26	31.6	1/2"	16	92
25X3/4"	56	26	38.6	3/4"	19	95
25X1"	56	26	47.4	1"	22	98
32X3/4"	65	33	38.6	3/4"	19	107
32X1"	65	33	47.4	1"	22	110
40X1 1/4"	80	41	62	1 1/4"	24	137
50X1 1/4"	92	51	62	1 1/4"	24	151
50X1 1/2"	92	51	67	1 1/2"	24	151
50X2"	92	51	81.2	2"	28	155
63X1 1/2"	114	64	67	1 1/2"	24	161
63X2"	114	64	81.2	2"	28	165
75X2"	128	76	81.2	2"	28	188
75X2 1/2"	128	76	105	2 1/2"	33	193
75X3"	128	76	126	3"	35	195
90X2 1/2"	152	91	105	2 1/2"	33	212
90X3"	152	91	126	3"	35	214
90X4"	152	91	157	4"	40	219
110X2"	182	111	81.2	2"	28	228
110X3"	182	111	126	3"	35	235
110X4"	182	111	157	4"	40	240



ITEM NO: PT015

COMPRESSION TRUE UNION BALL VALVE

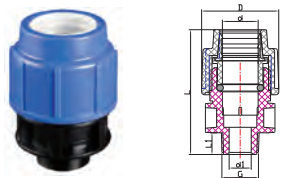
Nom Size	D	D1	d1	d2	L	L1	L2	H
20	40	42.4	21.6	15	13.5	143.6	55.5	47.4
25	48	49	26	22	16	164.82	64	56.3
32	56	59	34	24	17	183.1	73.3	63.4
40								
50								
63								



ITEM NO:PEC01

BSPT&NPT THREAD TRANSFER SOCKET

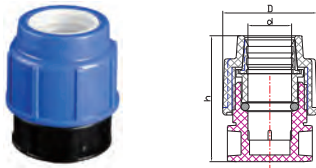
Nom Size	D	Rc	NPT	I	H
2 1/2"	90.4	2 1/2"	2 1/2"	34	87.5
3"	104.4	3"	3"	35	95.3
4"	134	4"	4"	35	97



ITEM NO:PT009

MALE THREAD SOCKET

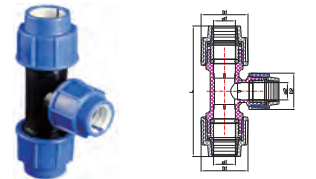
Nom Size	D	d	d1	R	L1	L
16X1/2"	38	18.3	12	1/2"	14	57.49
20X1/2"	44	21	12	1/2"	14	73
20X3/4"	44	21	16	3/4"	16	75
20X1"	44	21	22	1"	19	78
25X1/2"	56	26	12	1/2"	14	90
25X3/4"	56	26	16	3/4"	16	92
25X1"	56	26	22	1"	19	95
32X3/4"	65	33	16	3/4"	16	104
32X1"	65	33	22	1"	19	107
32X1 1/4"	65	33	30	1 1/4"	21	109
40X1"	80	41	22	1"	19	132
40X1 1/4"	80	41	30	1 1/4"	21	135
40X1 1/2"	80	41	34	1 1/2"	21	135
50X1 1/4"	92	51	30	1 1/4"	21	148
50X1 1/2"	92	51	34	1 1/2"	21	148
50X2"	92	51	46	2"	26	153
63X1 1/2"	114	64	34	1 1/2"	21	158
63X2"	114	64	46	2"	26	163
75X2"	128	76	46	2"	26	186
75X2 1/2"	128	76	59	2 1/2"	30	190
75X3"	128	76	70	3"	33	193
90X2"	152	91	46	2"	26	205
90X2 1/2"	152	91	59	2 1/2"	30	209
90X3"	152	91	70	3"	33	212
90X4"	152	91	89	4"	38	217
110X2"	182	111	46	2"	26	226
110X3"	182	111	70	3"	33	233
110X4"	182	111	89	4"	38	238



ITEM NO:PT013

END CAP

Nom Size	D	d	h
20	44	21	59
25	56	26	76
32	65	33	88
40	80	41	113
50	92	51	127
63	114	64	137
75	128	76	160
90	152	91	179
110	182	111	200



ITEM NO:PT010

REDUCING TEE

Nom Size	D1	d1	D2	d2	L
20X25	44	21	56	26	125
25X20	56	26	44	21	158
32X20	65	33	44	21	179.5
32X25	65	33	56	26	189
40X25	80	41	56	26	233
40X32	80	41	65	33	239
50X25	92	51	56	26	256.3
50X32	92	51	65	33	262
50X40	92	51	80	41	262
63X32	114	64	65	33	285.2
63X50	114	64	92	51	303
75X50	128	76	92	51	352
75X63	128	76	114	64	365
90x63	152	91	114	64	408.2
90X75	152	91	128	76	420
110X90	182	111	152	91	482



ITEM NO:PT011

REDUCING SOCKET

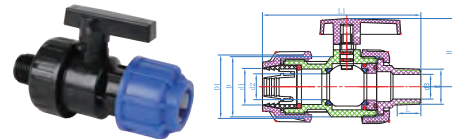
Nom Size	D1	d1	D2	d2	L
25X20	56	26	44	21	117
32X20	65	33	44	21	129
32X25	65	33	56	26	143
40X25	80	41	56	26	168
40X32	80	41	65	33	174
50X32	92	51	65	33	188
50X40	92	51	80	41	207
63X32	114	64	65	33	198
63X50	114	64	92	51	227
75X50	128	76	92	51	250
75X63	128	76	114	64	256
90X63	152	91	114	64	275
90X75	152	91	128	76	295
110X90	182	111	152	91	332



ITEM NO:PT012

SOCKET

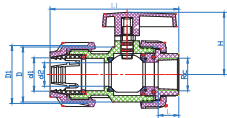
Nom Size	D	d	L
16	38	18.3	80.59
20	44	21	100
25	56	26	130
32	65	33	149
40	80	41	193
50	92	51	216
63	114	64	233
75	128	76	276
90	152	91	311
110	182	111	350



ITEM NO:PT016

PP MALE UNION VALVE

Nom Size	d1	d2	D1	D	L	L1	d3	R	H
20	21.6	15	42.4	40	16	112.7	13.5	1/2"	47.4
25	26	22	49	48	17.5	127.32	18	3/4"	56.3
32	34	24	59	56	22	22	23	1"	63.4



ITEM NO:PT017

PP FEMALE UNION VALVE

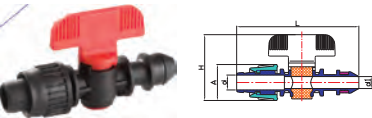
Nom Size	d1	d2	D1	D	L	L1	Rc	L
20	21.6	15	42.4	40	16	104	1/2"	47.4
25	26	22	49	48	17.5	117	3/4"	56.3
32	34	24	59	56	22	131	1"	63.4



ITEM NO:PT014

FLANGE

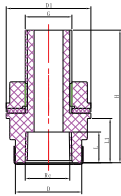
Nom Size				
40X1 1/2"	50X1 1/2"	50X2"	63X2"	63X2 1/2"
75X2 1/2"	75X3"	90X3"	90X4"	110X4"



ITEM NO:PI003

IRRIGATION VALVE

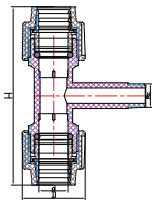
Nom Size	d	d1	A	H	L
16	12	10	29	53	96



ITEM NO:PTC01

TANK CONNECTOR

Nom Size	Rc	D	D1	L	L1	H	G
1/2"	1/2"	40	45	15	20	70	1/2"
3/4"	3/4"	44	48	17.6	25.36	76	3/4"
1"	1"	55	60	22	31.7	95	1"
1 1/4"	1 1/4"	70	75.5	27	35.6	121	1 1/4"
1 1/2"	1 1/2"	72	78	27.5	37.7	129	1 1/2"
2"	2"	86	93	31	43.7	157.5	2"
3"	3"	90	99	35	46	162	3"



ITEM NO: PT014

LONG MALE TEE

Nom Size	D	d	H	Rc
25X1/2"	56	26	158.22	1/2"

Saddle clamps

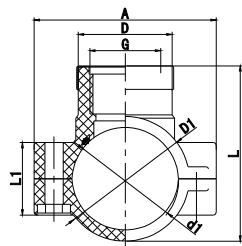
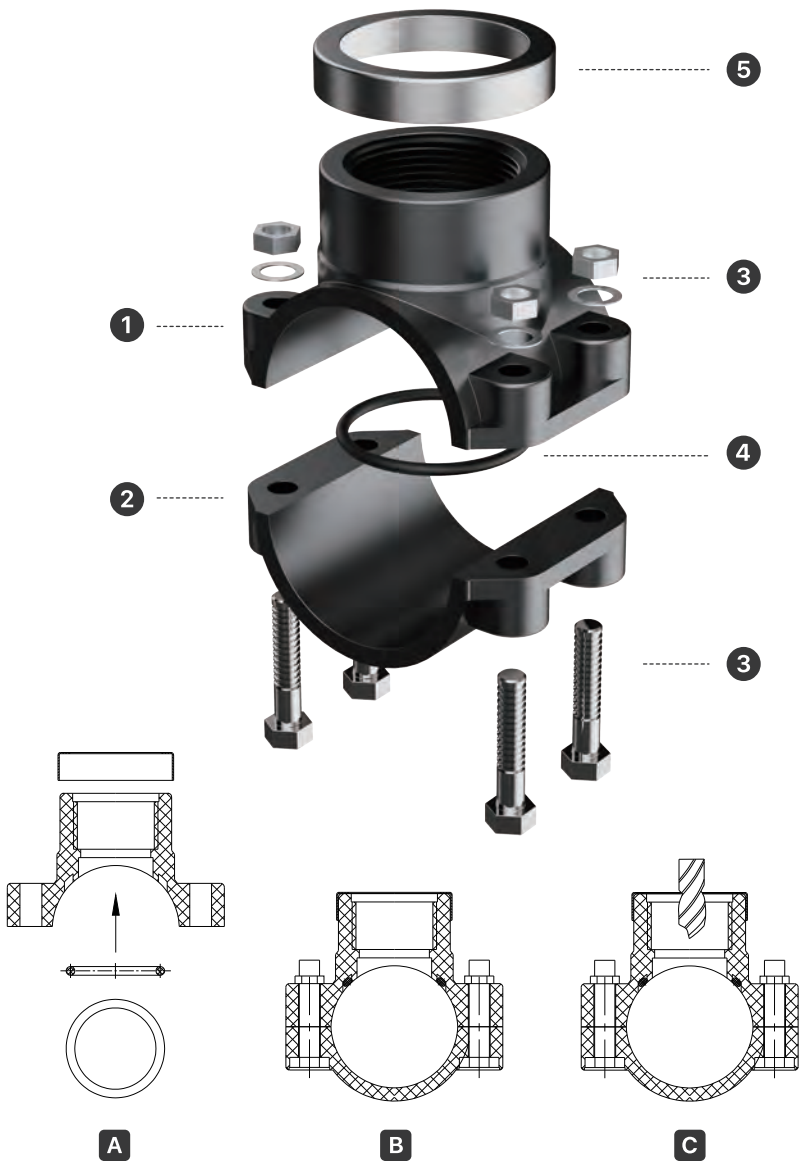
FEATURES

Material: PP
To be installed on pipes confirming to:
| PE: EN 12201 / ISO 3607 / ISO 14236 / DIN 8072 / DIN 8074 / UNI 10910
| PP: ISO 3609 / DIN 8077 / UNI 8318
| PVC-U: EN 1452-2

Fig.	Parts	Material
1	Upper Body	PP
2	Lower Body	PP
3	Bolts and Nuts	Zinc Plated Steel
4	O-Ring	NBR
5	Reinforce Ring	Stainless Steel

ASSEMBLY

- A** Clean the external surface of the pipe. Be sure that the O-Ring is in its position.
- B** Couple the upper portion of the saddle with the lower one on the pipe. Insert the bolts, screw in the nuts and tighten the bolts diagonally opposite each other.
- C** Drill a hole in the pipe wall. Do not damage the O-Ring or the pipe near the seal zone. Use the right tools.



Nom Size	D	G	D1	d1	L1	L	A	Nom Size	D	G	D1	d1	L1	L	A
25X1/2"	31	1/2"	34	25	26	50	76	90X1"	44	1"	105	90	44	126	138
25X3/4"	37	3/4"	34	25	26	52	76	90X1 1/4"	53	1 1/4"	105	90	44	129	138
32X1/2"	31	1/2"	41	32	27	51	78	90X1 1/2"	61.6	1 1/2"	105	90	44	129	138
32X3/4"	37	3/4"	41	32	27	53	78	90X2"	74	2"	105	90	44	129	138
32X1"	44	1"	41	32	27	56	84	110X1/2"	31	1/2"	126.4	110	37.2	142	158
40X1/2"	37	1/2"	50	40	32	66	85	110X3/4"	37	3/4"	126.4	110	37.2	142.2	158
40X3/4"	37	3/4"	50	40	32	68.5	85	110X1"	44	1"	126.4	110	37.0	147.2	158
40X1"	44	1"	50	40	32	71.5	85	110X1 1/2"	61.6	1 1/2"	126.4	110	37.2	148.7	158
50X1/2"	44	1/2"	60	50	34	76	85	110X1 1/4"	53	1 1/4"	126.4	110	37.2	148.7	158
50X3/4"	44	3/4"	60	50	34	78	85.5	110X2"	73.4	2"	126.3	110	37.2	147.2	158
50X1"	44	1"	60	50	34	81.4	85.5	110X3"	104	3"	126.4	110	37.2	158.7	158
50X1 1/4"	53	1 1/4"	60	50	34	85	85.5	125x1/2"	31	1/2"	142.8	125	37.2	160.2	175
63X1/2"	31	1/2"	74.2	63	36	90.2	96	125x3/4"	37	3/4"	142.8	125	37.2	160.4	175
63X3/4"	37	3/4"	74.2	63	36	92.2	100	125x1 1/2"	62	1 1/2"	142.8	125	37.2	164.4	175
63X1"	44	1"	74.2	63	36	97.0	100	125x2"	74.5	2"	142.8	125	37.2	165.2	175
63X1 1/4"	53	1 1/4"	74.2	63	36	98.2	100	140x3/4"	37	3/4"	159.2	140	37.2	178.1	192
63X1 1/2"	1.6	1 1/2"	74.2	63	36	98.2	100	140x1 1/2"	65	1 1/2"	159.2	140	37.2	184.6	192
75X1/2"	31	1/2"	89	75	45	105	100	140x2"	74.5	2"	159.2	140	37.2	188.8	192
75X3/4"	37	3/4"	89	75	45	107	117.6	160X1/2"	31	1/2"	181	160	51	200.5	211
75X1"	44	1"	90.2	75	45	108	117.6	160X1"	44	1"	181	160	51	200.5	211
75X1 1/4"	53	1 1/4"	89	75	45	110.5	117.6	160X2"	73.4	2"	181	160	51	200.5	211
75X1 1/2"	61.6	1 1/2"	89	75	45	108	117.6	160X3"	104	3"	181	160	51	212	211
75X2"	74	2"	89	75	45	112.5	117.57	200X2"	73.4	2"	222.6	200	57.6	244.9	265
90X1/2"	31.2	1/2"	105	90	44	121	117.6	200X3"	104	3"	181	200	57.6	265.2	255.3
90X3/4"	37	3/4"	105	90	44	123	138								

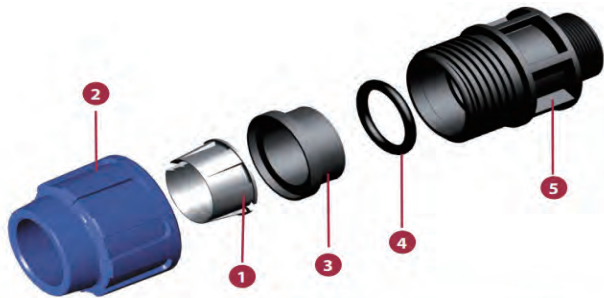
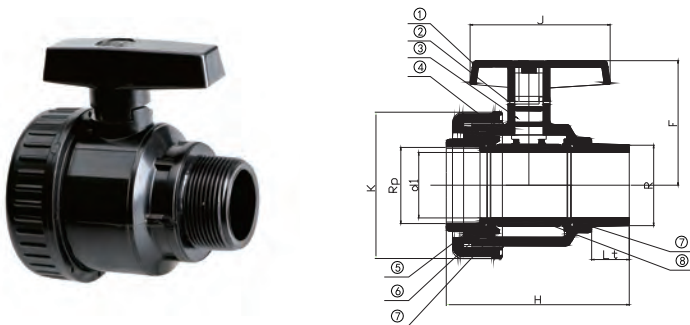


FIG.	Parts	Despiece	Material
1	Split ring	Cono de fijación	POM
2	Nut	Tuerca	PP
3	Insert	Casquillo prensa	PP
4	O-ring	Junta tórica	NBR 70 (*)
5	Body	Cuerpo	PP

- Metric Fittings 20mm - 63mm
- 1.Clean the pipe surface and chamfer the end of pipe
 - 2.Unscrew nut until half of the thread is visible
 - 3.Push pipe into body, through the nut,split ring,and O- ring.
 - 4.Screw nut firmly.



- Metric Fittings 75mm - 160mm
- 1.Clean the pipe surface and chamfer the end of pipe
 - 2.Separate nut, split ring and insert
 - 3.Push the pipe into nut and put split ring at the farthest from the end of pipe, then put the pipe into the insert
 - 4.Insert the pipe into the body of the fitting until it meets the interior.
 - 5.Screw nut with a wrench until it's tight.



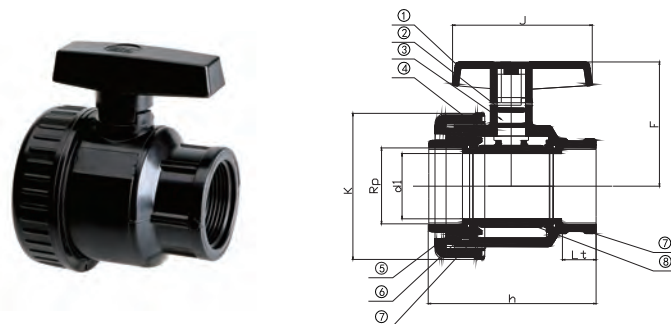
ITEM NO: UMF01

SINGLE UNION BALL VALVE M/F

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Handle	PVC PP	1	5	End Connector	PVC PP	1
2	Stem O-Ring	EPDM	2	6	Seal Seat	TPE	2
3	Stem	PVC PP	1	7	Carrier O Ring	EPDM	1
4	Union Nut	PVC PP	1	8	Ball	PVC PP	1

SINGLE UNION BALL VALVE M/F

Nom Size	DN	Lt	H	F	J	K	d1
3/4"X3/4"	20	16	80	58	65	59	19
1"X1"	25	17	90	67	75	67	23
1 1/4"X1 1/4"	32	21	106	76	85	79	32
1 1/2"X1 1/2"	40	24	126	83	94	93	39
2"X2"	50	26	145	101	109	114	46
2 1/2"X2 1/2"	65	28	177	127	138	144	64
3"X3"	80	35	204	143	158	168	76
4"X4"	100	37	250	169	180	210	97



ITEM NO: UFF01

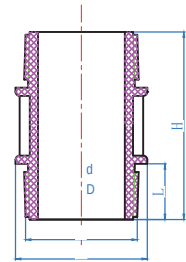
SINGLE UNION BALL VALVE F/F

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Handle	PVC PP	1	5	End Connector	PVC PP	1
2	Stem O-Ring	EPDM	2	6	Seal Seat	TPE	2
3	Stem	PVC PP	1	7	Carrier O Ring	EPDM	1
4	Union Nut	PVC PP	1	8	Ball	PVC PP	1

SINGLE UNION BALL VALVE M/F

Nom Size	DN	Lt	H	F	J	K	d1
3/4"X3/4"	20	20	81	58	65	59	19
1"X1"	25	22	91	67	75	67	23
1 1/4"X1 1/4"	32	25	101	76	85	79	32
1 1/2"X1 1/2"	40	25	109	83	94	93	39
2"X2"	50	29	135	101	109	114	46
2 1/2"X2 1/2"	65	36	127	127	138	144	64
3"X3"	80	36	180	143	158	168	76
4"X4"	100	49	228	169	180	210	97

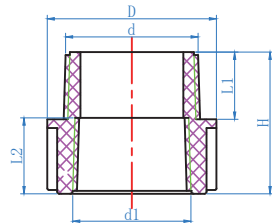
ITEM NO :



HOSE ADAPTOR

Size Nom	D	d	L	H
1/2"	28	Rc1/2"	20.5	63.5
3/4"	33	Rc3/4"	19.5	67
1"	38	Rc1"	20	68
1-1/4"	48.5	Rc1-1/4"	20.5	69
1-1/2"	55.5	Rc1-1/2	24.5	77.5
2"	72	Rc2"	25.5	78
2-1/2"	83	Rc2-1/2	26.5	82.5
3"	96	Rc3"	31.5	92
4"	123	Rc4"	35	100

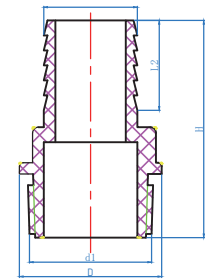
ITEM NO :



MALE & FEMALE REDUCER

Size Nom	D	d	d1	L1	L2	H
3/4"x1/2"	33	Rc3/4"	Rc1/2"	18	23	41
1"x3/4"	41	Rc1"	Rc3/4"	19	20	39
1-1/4x1"	50	Rc1-1/4"	Rc1"	20.5	22	42.5
1-1/2x1-1/4"	60	Rc1-1/4"	Rc1-1/4"	23	26	48.5
2"x1-1/2"	66.5	Rc2"	Rc1-1/2	24	24	51
2-1/2"x2"	81	Rc2-1/2"	Rc2"	26.5	29.5	61
3"x2-1/2"	96.5	Rc3"	Rc2-1/2"	34	30.5	73

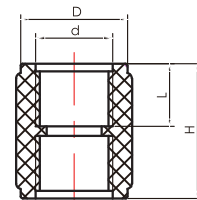
ITEM NO :



MALE THREAD NIPPLE

Size Nom	D	d	d1	L1	L2	H
1/2"	23	15	Rc1/2"	15	21	47.1
3/4"	31	20	Rc3/4"	16	23	52.6
1"	38	25	Rc1"	17	24	58
1-1/4"	48.5	32	Rc1-1/4"	18	30	64
1-1/2"	52	40	Rc1-1/2	18	35	70
2"	65	50	Rc2"	20.5	39	79
2-1/2"	81.8	65	Rc2-1/2"	23.7	49	98
3"	94.5	80	Rc3"	28.5	72	127.7
4"	119	100	Rc4"	28.5	75.8	129.5

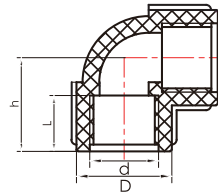
ITEM NO : PEX 001



COUPLING

Size Nom	D	d	L	H
1/2"	29	G1/2"	17	36.5
3/4"	35	G3/4"	17	36.5
1"	43	G1"	20	42

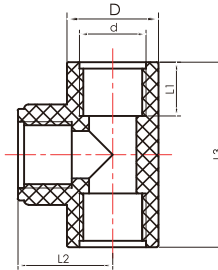
ITEM NO : PEX 002



90° ELBOW

Size Nom	D	d	L	h
1/2"	29	G1/2"	17	28.5
3/4"	35	G3/4"	17	34.3
1"	43	G1"	20	38.5

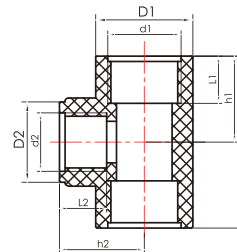
ITEM NO : PEX 003



TEE

Size Nom	D	d	L1	L2	L3
1/2"	29	G1/2"	17	30	58.5
3/4"	35	G3/4"	17	31.5	62
1"	43	G1"	20	37.5	75

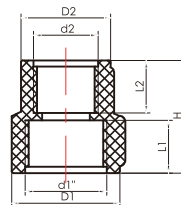
ITEM NO : PEX 004



REDUCING TEE

	D1	d1	L1	h1	D2	d2	L2	h2	H
1/2"X3/4"	35	G3/4"	17	31	29	G1/2"	17	30.6	62
1"X1/2"	43	G1"	20	37.5	29	G1/2"	17	34	75
1"X3/4"	43	G1"	20	37.5	35	G3/4"	17	34	75

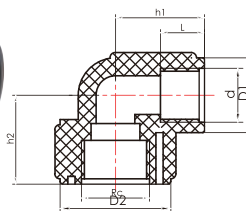
ITEM NO : PEX 005



REDUCING COUPLING

Size Nom	D1	d1	L1	D2	d2	L2	H
1/2"X3/4"	35	G3/4"	17	29	G1/2"	17	36.4
1"X1/2"	43	G1"	20	29	G1/2"	17	39
1"X3/4"	43	G1"	20	35	G3/4"	17	39.3

ITEM NO : PEX 011

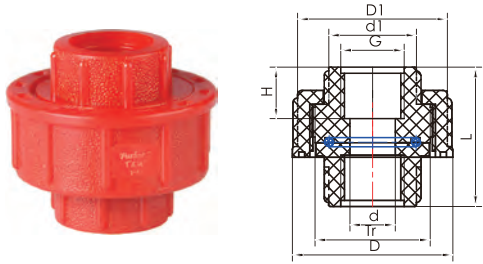


REDUCER ELBOW

Size Nom	D1	D2	d	L	h1	h2	Rc
1/2" X3/4"	29	43	G3/4"	17	34.5	34.5	G1/2"
1"X1/2"	29	43	G1/2"	17	34.5	34.5	G1"

PP THREAD FITTINGS

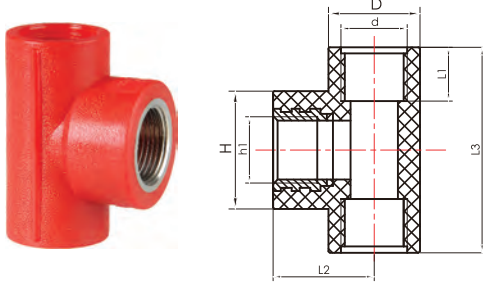
ITEM NO : PEX 006



UNION

Size Nom	D1	d1	G	H	d	Tr	D
1/2"	49.5	29	20.96	17	15	38	53
3/4"	55.4	35	26	16	20	47	59.8
1"	65.5	43	33.24	20	25	55	70.8

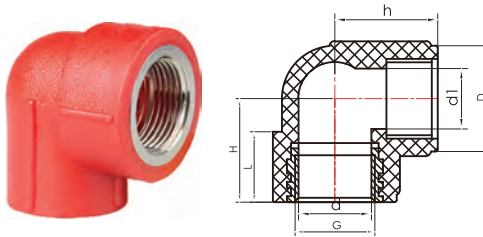
ITEM NO : PEX 007



FEMALE THREAD TEE

Size Nom	D	d	L1	L2	L3	H
1/2"	29	G1/2"	17	32	65	37.2
3/4"	35	G3/4"	17	35.5	70.8	43
1"	43	G1"	20	41.5	85	52

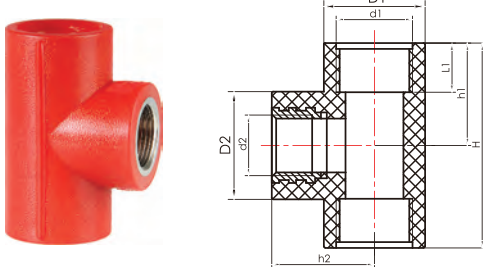
ITEM NO : PEX 008



FEMALE THREAD ELBOW

Size Nom	D	G	d	d1	L	h
1/2"	29.5	G1/2"	18.64	15	23	31.95
3/4"	35	G3/4"	24.12	20	17	34.3
1"	43	G1"	30.3	25	26.4	40.5

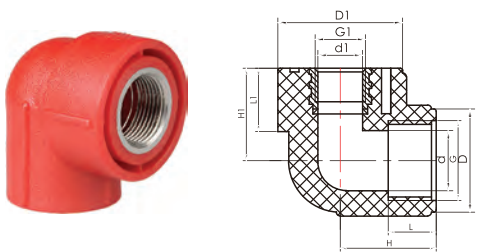
ITEM NO : PEX 009



REDUCER FEMALE THREAD TEE

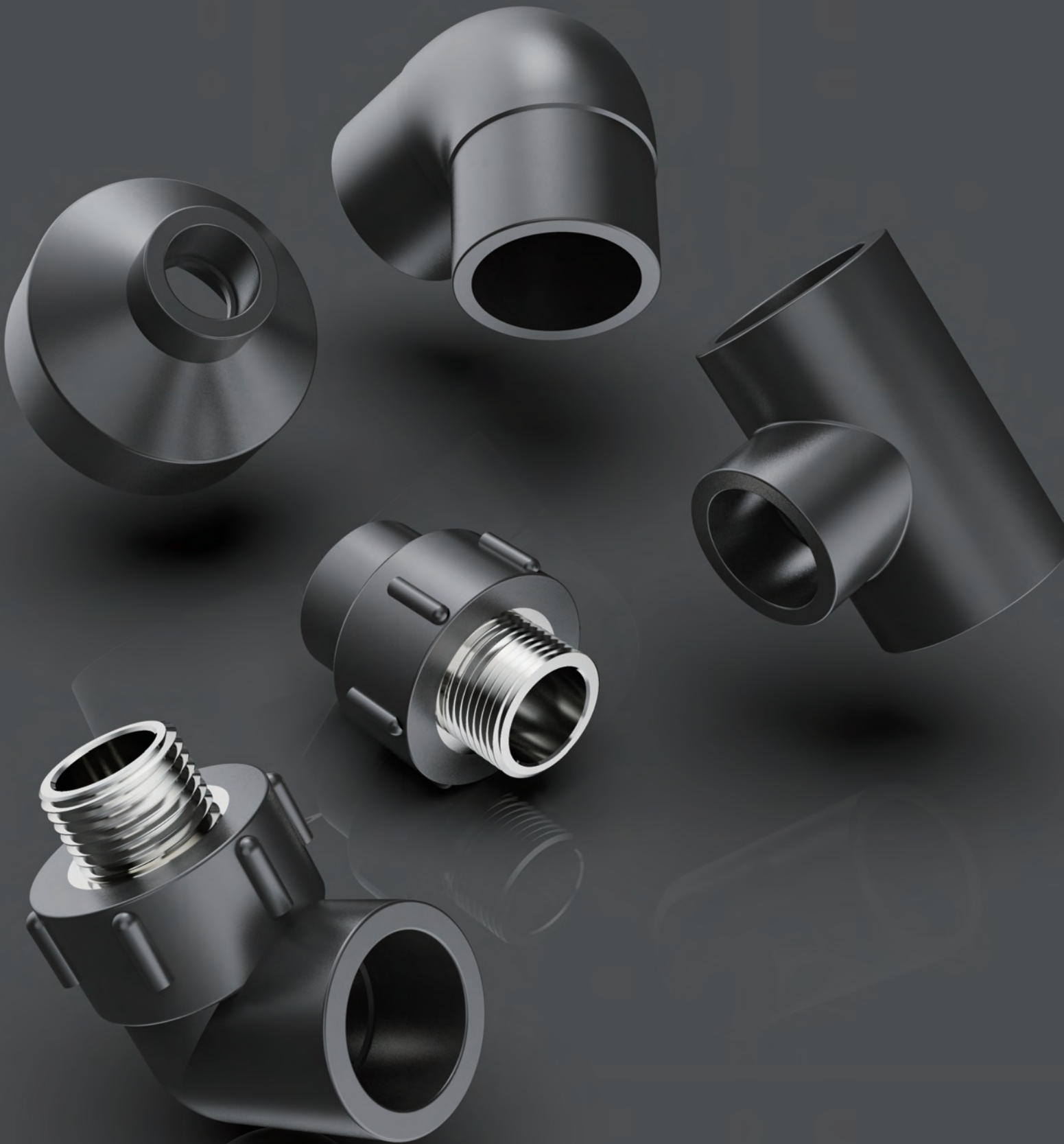
Size Nom	D1	d1	L1	h1	D2	d2	h2
1/2" X3/4"	35	G3/4"	17	35.4	37.2	G1/2"	35.5
1" X1/2"	43	G1"	20	42.5	37.2	G1/2"	37.5
1" X3/4"	43	G1"	20	42.5	43	G3/4"	37.5

ITEM NO : PEX 010



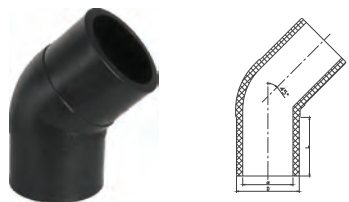
REDUCER FEMALE THREAD ELBOW

Size Nom	D	G	G1	d	L	H	L1	H1	D1
3/4" X1/2"	35	G3/4"	G1/2"	20	17	35.8	23.3	34.3	41
1" X1/2"	43	G1"	G1/2"	25	20	40	26.4	38.5	52
1" X3/4"	43	G1"	G3/4"	25	20	40	40.5	38.5	52



PE PIPES&FITTINGS

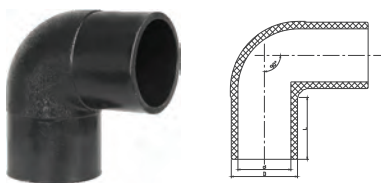
PRESSURE



ITEM NO:PEBW001

45° ELBOW

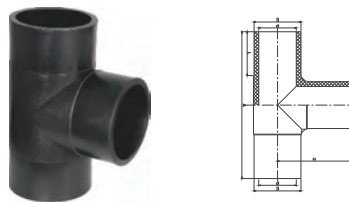
SIZE (mm)					
75	90	110	125	160	200
225	250	280	315	355	400
450	500	560	630	355	400



ITEM NO:PEBW002

90° ELBOW

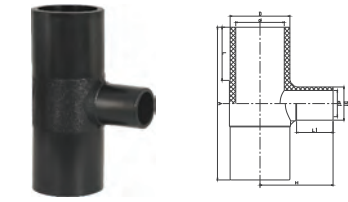
SIZE (mm)					
63	75	90	110	125	140
160	180	200	225	250	280
315	355	400	500	630	



ITEM NO:PEBW003

TEE

SIZE (mm)					
63	75	90	110	125	140
160	180	200	225	250	280
315	355	400	500	630	



ITEM NO:PESW004

REDUCING TEE

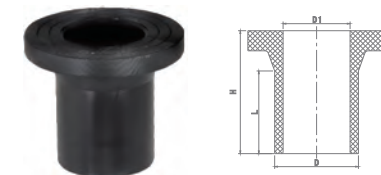
SIZE (mm)					
63X50	75X50	75X63	90X50	90X63	90X75
110X50	110X63	110X75	110X90	125X50	125X63
125X75	125X90	125X110	140X63	140X75	140X90
140X110	140X125	160X50	160X63	160X75	160X110
180X110	180X125	180X140	180X160	200X63	200X75
200X90	200X110	200X160	225X110	225X160	225X200
250X110	250X160	250X200	280X110	280X160	280X200
280X250	315X110	315X160	315X200	315X225	315X250
355X160	355X200	355X250	355X280	355X315	400X110
400X160	400X200	400X250	400X315	450X315	450X400
500X110	500X160	500X200	500X250	500X315	500X400
630X110	630X160	630X200	630X250	630X315	630X400
630X500					



ITEM NO:PEBW005

END CAP

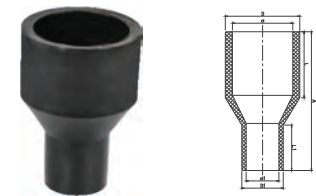
SIZE (mm)					
75	90	110	125	140	160
180	200	225	250	280	315
355	400	450	500	560	630



ITEM NO:PEBW007

FLANGE

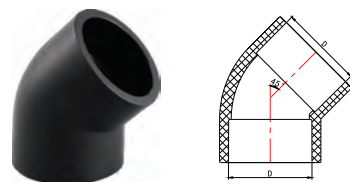
SIZE (mm)					
50	63	75	90	110	125
140	160	180	200	225	250
280	315	355	400	450	500
560	630	710	800	900	1000



ITEM NO:PEBW006

REDUCING SOCKET

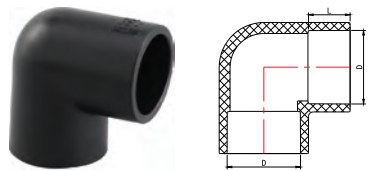
SIZE (mm)					
75X63	90X50	90X63	90X75	110X50	110X63
110X75	110X90	125X75	125X90	125X110	160X63
160X75	160X90	160X110	160X125	180X90	180X140
200X90	200X110	200X160	225X110	225X160	225X200
250X110	250X160	250X200	315X110	315X160	315X200
315X250	400X315	500X400	630X500		



ITEM NO:PESW001

45° ELBOW

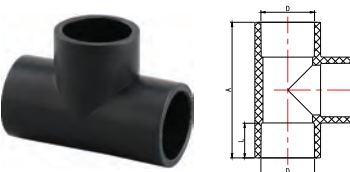
SIZE (mm)					
20	25	32	40	50	63



ITEM NO: PESW002

90° ELBOW

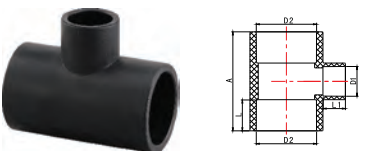
SIZE (mm)					
20	25	32	40	50	63



ITEM NO:PESW003

TEE

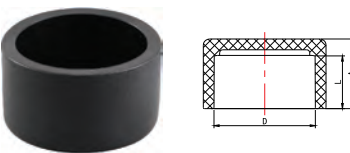
SIZE (mm)					
20	25	32	40	50	63



ITEM NO:PESW004

REDUCING TEE

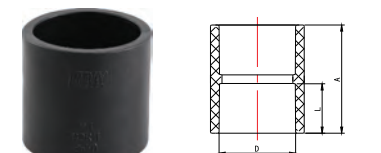
SIZE (mm)					
25X20	32X20	32X25	40X20	40X25	40X32
50X20	50X25	50X32	50X40	63X20	63X25
63X32	63X40	63X50			



ITEM NO:PESW005

END CAP

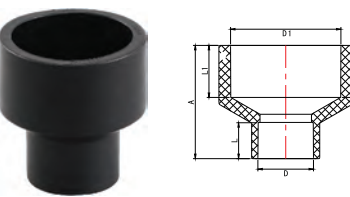
SIZE (mm)					
20	25	32	40	50	63



ITEM NO:PESW006

SOCKET

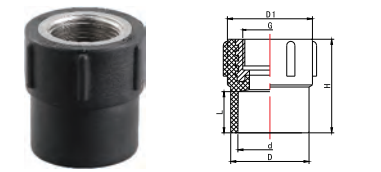
SIZE (mm)					
20	25	32	40	50	63



ITEM NO:PESW007

REDUCING SOCKET

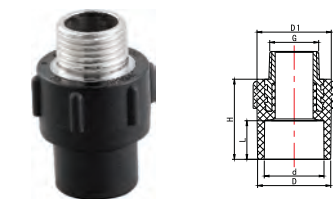
SIZE (mm)					
25X20	32X20	32X25	40X20	40X25	40X32
50X20	50X25	50X32	50X40	63X20	63X25
63X32	63X40	63X50			



ITEM NO:PESW008

FEMALE SOCKET

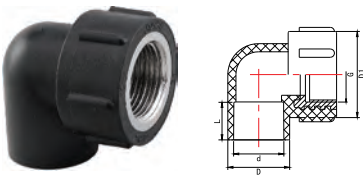
SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"
40X1 1/4"	40X1 1/2"	50X1 1/2"	63X2"		



ITEM NO:PESW009

MALE SOCKET

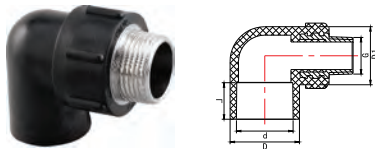
SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"
40X1 1/4"	40X1 1/2"	50X1 1/2"	63X2"		



ITEM NO:PESW010

FEMALE ELBOW

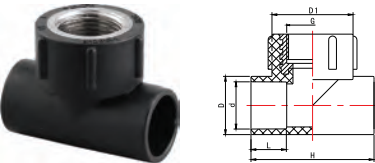
SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"



ITEM NO:PESW011

MALE ELBOW

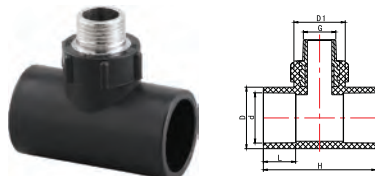
SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"



ITEM NO:PESW012

FEMALE TEE

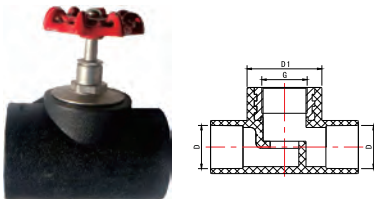
SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"



ITEM NO:PESW013

MALE TEE

SIZE (mm)					
20X1/2"	25X1/2"	25X3/4"	32X1/2"	32X3/4"	32X1"



ITEM NO:PESW014

STOP VALVE

SIZE (mm)					
20	25	32	40	50	63



PE
ELECTROFUSION
FITTINGS
WATER&GAS



ITEM NO: PEGP001



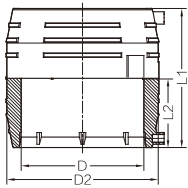
ITEM NO: PEGP002

PE PIPE FOR GAS SUPPLY

Nominal OD (mm)	Minimum wall thickness (mm)		
	SDR11	SDR17	SDR17.6
20	3.0	2.3	2.3
25	3.0	2.3	2.3
32	3.0	2.3	2.3
40	3.7	2.4	2.3
50	4.6	3.0	2.9
63	5.8	3.8	3.6
75	6.8	4.5	4.3
90	8.2	5.4	5.2
110	10.0	6.6	6.3
125	11.4	7.4	7.1
140	12.7	8.3	8.0
160	14.6	9.5	9.1
180	16.4	10.7	10.3
200	18.2	11.9	11.4
225	20.5	13.4	12.8
250	22.7	14.8	14.2
280	25.4	16.6	15.9
315	28.6	18.7	17.9
355	32.2	21.1	20.2
400	36.3	23.7	22.8
450	40.9	26.7	25.6
500	45.4	29.7	28.4
560	50.8	33.2	31.9
630	57.2	37.4	35.8

PE PIPE FOR WATER SUPPLY

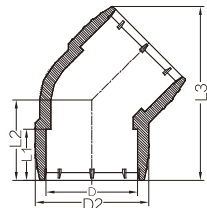
Nominal OD (mm)	Minimum wall thickness (mm)				
	SDR9	SDR11	SDR13.6	SDR17	SDR21
20	2.3	2.0			
25	3.0	2.3	2.0		
32	3.6	3.0	2.4	2.0	
40	4.5	3.7	3.0	2.4	2.0
50	5.6	4.6	3.7	3.0	2.4
63	7.1	5.8	4.7	3.8	3.0
75	8.4	6.8	5.6	4.5	3.6
90	10.1	8.2	6.7	5.4	4.3
110	12.3	10.0	8.1	6.6	5.3
125	14.0	11.4	9.2	7.4	6.0
140	15.7	12.7	10.3	8.3	6.7
160	17.9	14.6	11.8	9.5	7.7
180	20.1	16.4	13.3	10.7	8.6
200	22.4	18.2	14.7	11.9	9.6
225	25.2	20.5	16.6	13.4	10.8
250	27.9	22.7	18.4	14.8	11.9
280	31.3	25.4	20.6	16.6	13.4
315	35.2	28.6	23.2	18.7	15.0
355	39.7	32.2	26.4	21.1	16.9
400	44.7	36.3	29.4	23.7	19.1
450	50.3	40.9	33.1	26.7	21.5
500	55.8	45.4	36.8	29.7	23.9
560	62.5	50.8	41.2	33.2	26.7
630	70.3	57.2	46.3	37.4	30.0
710	79.3	64.5	52.2	42.1	33.9
800	89.3	72.6	58.8	47.4	38.1
900		81.7	66.1	53.3	42.9
1000		90.8	73.5	59.3	47.7
1200			88.2	71.1	57.2



ITEM NO: PEEF001

COUPLER

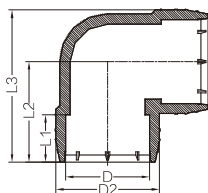
Size	D2	L1	L2
20	31	80	39.5
25	36	81	40
32	43	87	43
40	52	87	43
50	63	87	43
63	79	114	56
75	96	126	62
90	113	135	66.5
110	138	151	74.5
125	157	172	85
160	200	184	91
180	225	191	94.5
200	250	223	110.5
225	278	235	116.5
250	312	248	123
280	348	262	130
315	392	285	141.5
400	499	328	163
500	617	364	181



ITEM NO: PEEF003

45° ELBOW

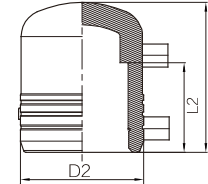
Size	D2	L1	L2	L3
20	31	39.5	50	94.3
25	36	40	51	98
32	43	43	55	107
40	52	43	57	114.5
50	63	43	59	121.6
63	79	56	81	164
75	96	62	88	181
90	113	66.5	96	199
110	138	74.5	109	230
125	157	85	128	268.5
160	200	91	142.5	307.8
180	225	94.5	155	336.3
200	250	110.5	177	382.7



ITEM NO: PEEF002

90° ELBOW

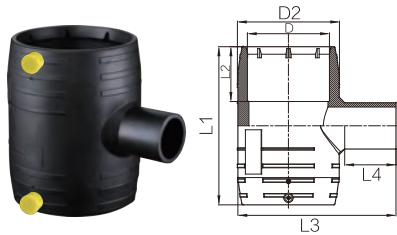
Size	D2	L1	L2	L3
20	31	39.5	56	70.8
25	36	40	58	75.8
32	43	43	65	76.4
40	52	43	70	96
50	63	43	75	106.5
63	79	56	97	136.5
75	96	62	112	160
90	113	66.5	124	180.3
110	138	74.5	145	214
125	157	85	165	243.2
160	200	91	194	294
180	225	94.5	210	322.6
200	250	110.5	240	365.6



ITEM NO: PEEF012

END CAP

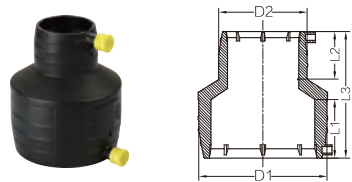
Size	D2	L1	L2
20	31	68	39.5
25	36	68	40
32	43	68	43
40	52	68	43
50	63	76	43
63	79	88	56
75	96	105.6	62
90	113	111	66.5
110	138	132	74.5
125	157	158.4	85
160	200	168	91
200	250	201.6	110.5



ITEM NO:PEEF005

REDUCING TEE

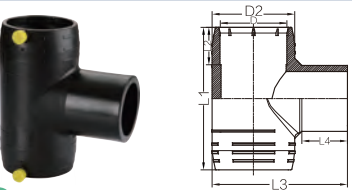
Size	D2	L1	L2	L3	L4
25X20	36	102	40	85.2	45
32X20	43	108	43	92.3	45
32X25	43	113	43	92.3	45
40X20	52	108	43	101.4	45
40X25	52	113	43	101.4	45
40X32	52	120	43	106.4	50
50X20	63	108	43	112.4	45
50X25	63	113	43	112.4	45
50X32	63	120	43	117.4	50
50X40	63	128	43	122.4	55
63X20	79	135	56	128.5	45
63X25	79	140	56	128.5	56
63X32	79	147	56	133.5	50
63X40	79	155	56	138.5	55
63X50	79	165	56	144.5	60
75X63	100.5	202	62	183.2	75
90X32	113	168	66.5	167	50
90X40	113	176	66.5	172	55
90X50	113	186	66.5	178	60
90X63	113	199	66.5	190.5	70
110X32	138	184	74.5	192.2	50
110X40	138	192	74.5	197.2	55
110X50	138	202	74.5	203	60
110X63	138	215	74.5	215.7	70
110X75	138	227	74.5	221	75
110X90	138	242	74.5	232	85
125X63	156	236	85	235	70
125X75	156	248	85	240	75
125X90	156	263	85	251	85
125X110	156	283	85	259	90
160X63	200	248	91	278	70
160X90	200	275	91	295	85
160X110	200	295	91	303	90
200X63	250	315	110.5	329	70
200X90	250	315	110.5	345	85
200X110	250	38.5	110.5	353	90
200X160	250	38.5	110.5	378	110



ITEM NO:PEEF006

REDUCER

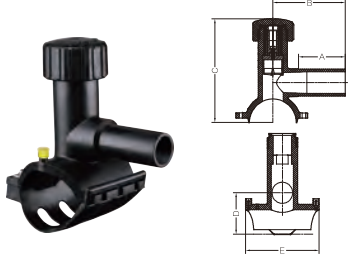
Size	D1	D2	L1	L2	L3
25X20	36	31	40	39.5	85.5
32X25	43	36	43	40	90
32X20	43	31	43	39.5	90.5
40X32	52	43	43	43	94
40X25	52	36	43	40	95
40X20	52	31	43	39.5	98.5
50X40	63	52	43	43	95.5
50X32	63	43	43	43	101
63X50	79	63	56	43	111.5
63X40	79	52	56	43	112.5
63X32	79	43	56	43	115.5
75X63	96	79	62	56	135
75X50	96	63	62	43	126.5
90X63	113	79	66.5	56	144.5
90X50	113	63	66.5	43	131.5
90X40	113	52	66.5	43	133.5
110X90	138	113	74.5	66.5	162
110X63	138	79	74.5	56	153.5
110X50	138	63	75.5	43	143.5
125X110	157	138	85	74.5	180.5
160X110	200	138	91	74.5	197.5
160X90	200	113	91	66.5	191.5
160X63	200	79	91	56	190
200X160	250	200	110.5	91	236.5
200X110	250	138	110.5	74.5	225
200X90	250	113	110.5	66.5	224.3



ITEM NO:PEEF004

EQUAL TEE

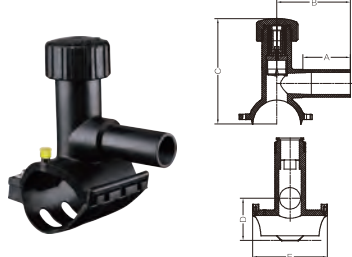
Size	D2	L1	L2	L3	L4
20	31	100	39.5	80.2	45
25	36	107	40	85.2	45
32	43	120	43	97.3	50
40	52	128	43	111.4	55
50	63	138	43	128.4	60
63	79	178	56	157	70
75	96	202	62	179.6	75
90	113	226	66.5	207	85
110	138	262	74.5	240	90
125	156	298	85	262	90
160	200	345	91	328	110
200	250	425	110.5	390	120



ITEM NO:PEEF008

TAPPING TEE

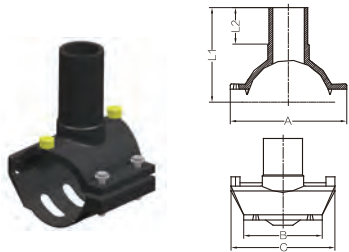
Size	A	B	C	D	E
40x20	62	110	120.2	52.2	88
40x25	65	110	120.2	52.2	88
40x32	68	110	120.2	52.2	88
63x20	62	128.2	183	64	136
63x25	65	128.2	183	64	136
63x32	68	128.2	183	64	136
63x40	71	121	183	64	136
63x50	100	143.5	203	74	136
63x63	93.5	143.5	203	74	136
75X20	62	128.2	193	70.9	165.6
75X25	65	128.2	193	70.9	165.6
75X32	68	128.2	193	70.9	165.5
75X40	71	212	193	70.9	165.5
90x20	62	128.2	196	77.3	165.4
90x25	65	128.2	196	77.3	165.4
90x32	68	128.2	196	77.3	165.4
90x40	71	121	196	77.3	165.4
90x50	100	160	238.3	88.5	165.4
90x63	93.5	160	238.3	88.5	165.4
110x20	62	128.2	206	87	165.2
110x25	65	128.2	206	87	165.2
110x32	68	128.2	206	87	165.2
110x40	71	121	206	87	165.2
110x50	100	160	243.3	93.5	165.2
110x63	93.5	160	243.3	93.5	165.2
110x90	85	160	251.5	112.2	195.2
125x20	62	138.2	213.7	94.7	167
125x25	65	138.2	213.7	94.7	167
125x32	68	138.2	213.7	94.7	167
125x40	71	131	213.7	94.7	167
125x50	100	160	251	101.2	167
125x63	93.5	160	251	101.2	167
160x20	62	138.2	231.3	112.3	170.1
160x25	65	138.2	231.3	112.3	170.1
160x32	68	138.2	231.3	112.3	170.1
160x40	71	131	231.3	112.3	170.1
160x50	100	160	268.5	118.8	170.1
160x63	93.5	160	268.5	118.8	170.1
160x90	85	160	276.8	137.3	260.2
160x110	90	180	302.7	150.8	260.2
180x20	62	138.2	241.4	122.3	170.4
180x25	65	138.2	241.4	122.3	170.4
180x32	68	138.2	241.4	122.3	170.4
180x40	71	131	241.4	122.3	170.4



ITEM NO:PEEF008

TAPPING TEE

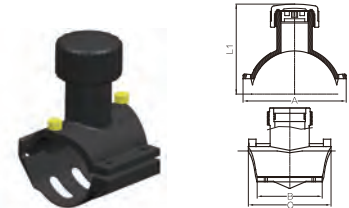
Size	A	B	C	D	E
180x50	100	170	251	128.8	170
180x63	93.5	170	251	128.8	170
200x20	62	138.2	257.4	138.3	170.8
200x25	65	138.2	257.4	138.3	170.8
200x32	68	138.2	257.4	138.3	170.8
200x40	71	131	257.4	138.3	170.8
200x50	100	170	289.6	139.8	170.8
200x63	93.5	170	289.6	139.8	170.8
200x90	85	160	297.8	158.3	260.4
200x110	90	180	332.7	171.8	260.4
225x20	62	138.2	270.6	151.5	170.9
225x25	65	138.2	270.6	151.5	170.9
225x32	68	138.2	270.6	151.5	170.9
225x40	71	131	270.6	151.5	170.9
225x50	100	170	307.8	158	170.9
225x63	93.5	170	307.8	158	170.9
225x90	85	160	309	171.9	260.8
225x110	90	180	337.3	185.4	260.8
250x20	62	176.4	323.3	176.5	263.9
250x25	65	178.6	323.3	176.5	263.9
250x32	68	179.2	323.3	176.5	263.9
250x40	71	175.3	323.3	176.5	263.9
250x50	100	170	323.3	176.5	263.9
250x63	93.5	170	323.3	176.5	263.9
250x90	85	160	324.6	187.4	264.9
250x110	90	180	350.3	198.4	264.9
280x20	62	176.4	338.3	191.5	264.2
280x25	65	178.6	338.3	191.5	264.2
280x32	68	179.2	338.3	191.5	264.2
280x40	71	175.3	338.3	191.5	264.2
280x50	100	170	338.3	191.5	264.2
280x63	93.5	170	338.3	191.5	264.2
280x90	85	160	342	202.5	264.6
280x110	90	180	363.4	213.5	264.6
315x20	62	176.4	355.8	209	265.6
315x25	65	178.6	355.8	209	265.6
315x32	68	179.2	355.8	209	265.6
315x40	71	175.3	355.8	209	265.6
315x50	100	170	355.8	209	265.6
315x63	93.5	170	355.8	209	265.6
315x90	85	160	359	219.5	265.2
315x110	90	180	382.4	230.5	265.2
315x160	110	225	429	248	338



ITEM NO:PEEF009

BRANCH SADDLE

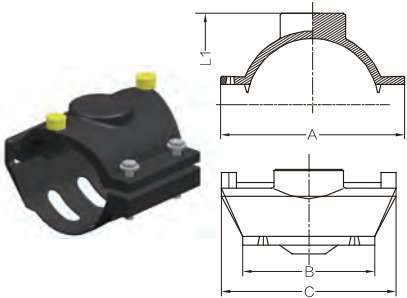
Size	L1	L2	A	B	
63x32	183	50	136	128	100
63x40	183	55	136	128	100
63x63	203	70	136	128	100
90x32	196	50	165.4	158.1	121.9
90x50	238.3	60	165.4	158.1	121.9
90x63	238.3	70	165.4	158.1	121.9
110x32	206	50	165.2	169.3	120
110x63	243.3	70	165.2	172.3	120
110x90	251.5	85	195.2	173.3	120
125x32	213.7	50	167	188.3	120
125x50	251	60	167	188.3	120
125x63	251	70	167	188.3	120
160x63	268.5	70	170.1	223.3	120
160x90	276.8	85	260.2	250.3	210
160x110	302.7	90	260.2	250.3	210
200x63	289.6	70	170.8	265.3	120
200x90	297.8	85	260.4	286.3	200
250x63	323.3	70	263.9	332.3	200
250x90	324.6	85	264.9	332.3	200



ITEM NO:PEEF010

STOPPER SADDLE

Size	L1	A	B	C
90X20	155	158.1	131.2	165.3
110X20	165	168.3	128.7	165.3
110x63	243.3	165.2	170.3	120
160x90	276.8	260.2	250.3	210
200x90	297.8	260.4	286.3	200
200x110	332.7	260.4	286.3	200
200x160	332.7	260.4	286.3	200
225x90	309	260.8	307.3	200
225x110	337.3	260.8	307.3	200
225x160	337.3	260.8	307.3	200
250x90	324.6	264.9	332.3	200
250x110	350.3	264.9	332.3	200
250x160	350.3	264.9	332.3	200
315x90	359	265.2	378.3	200
315x110	382.4	265.2	378.3	200
315x160	429	338	376	280



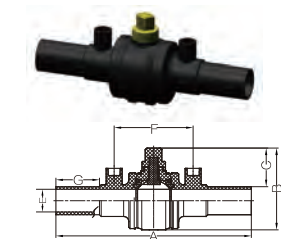
ITEM NO:PEEF011

REPAIR SADDLE

Size	L1	A	B	C
40	40	68	73	88
50	50	85	75	88
63	60	128	100	136
90	65	158.1	121.9	77.3
110	80	165.2	170.3	120
125	90	188.3	120	167
160	95	260.2	250.3	210
200	110	260.4	286.3	200
225	120	260.8	307.3	200
250	130	264.9	332.3	200
315	150	265.2	378.3	200



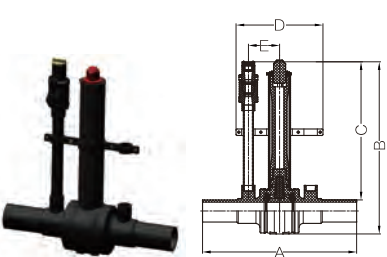
PE
BALL VALVES
WATER&GAS



ITEM NO: PEBV01

STANDARD BALL VALVE

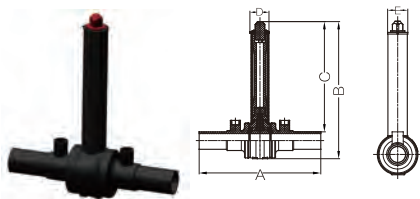
Size	A	B	C	E	F	G
63	656	241.9	138.9	50.7	311.4	130
90	729.2	279.8	142.8	72.6	311.4	160
110	770	321.3	151.6	89.2	311.4	171.5
125	770	321.3	144.3	100.9	311.4	178.5
160	812	426.8	180	129.2	405	160
180	812	426.8	170	147.2	405	160
200	920.4	577.9	277.4	161.6	514.4	154
225	934.4	577.9	246.9	181.8	514.4	161
250	910.4	627.9	277.4	202.1	514.4	161
280	910.4	627.9	262.4	226.5	514.4	151
315	948.4	703.3	285.4	254.8	514.4	163.5
355	983.4	748.9	285.4	287	514.4	188
400	1065	750.9	262.9	323.4	514.4	222.5



ITEM NO: PEBV03

VALVE WITH SINGLE PURGE

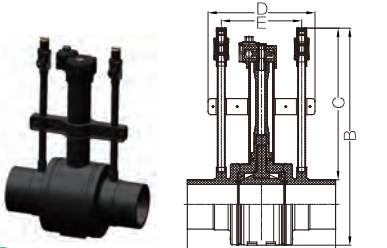
Size	A	B	C	D	E
63	656	779.7	680.7	434.4	155.7
90	729.2	825	688.6	434.4	155.7
110	770	887	697.4	434.4	155.7
125	770	972.6	725.9	434.4	155.7
160	812	972.6	715.9	528	202.5
180	812	1207	906.5	528	202.5
200	920.4	1207	894	684.4	257.2
225	934.4	1207	906.5	684.4	257.2
250	910.4	1257	906.5	684.4	257.2
280	910.4	1257	891.5	684.4	257.2
315	948.4	1332.4	914.5	684.4	257.2
355	983.4	1378	914.5	684.4	257.2
400	1065	1380	892	684.4	257.2



ITEM NO: PEBV02

VALVE WITH EXTENDED STERN

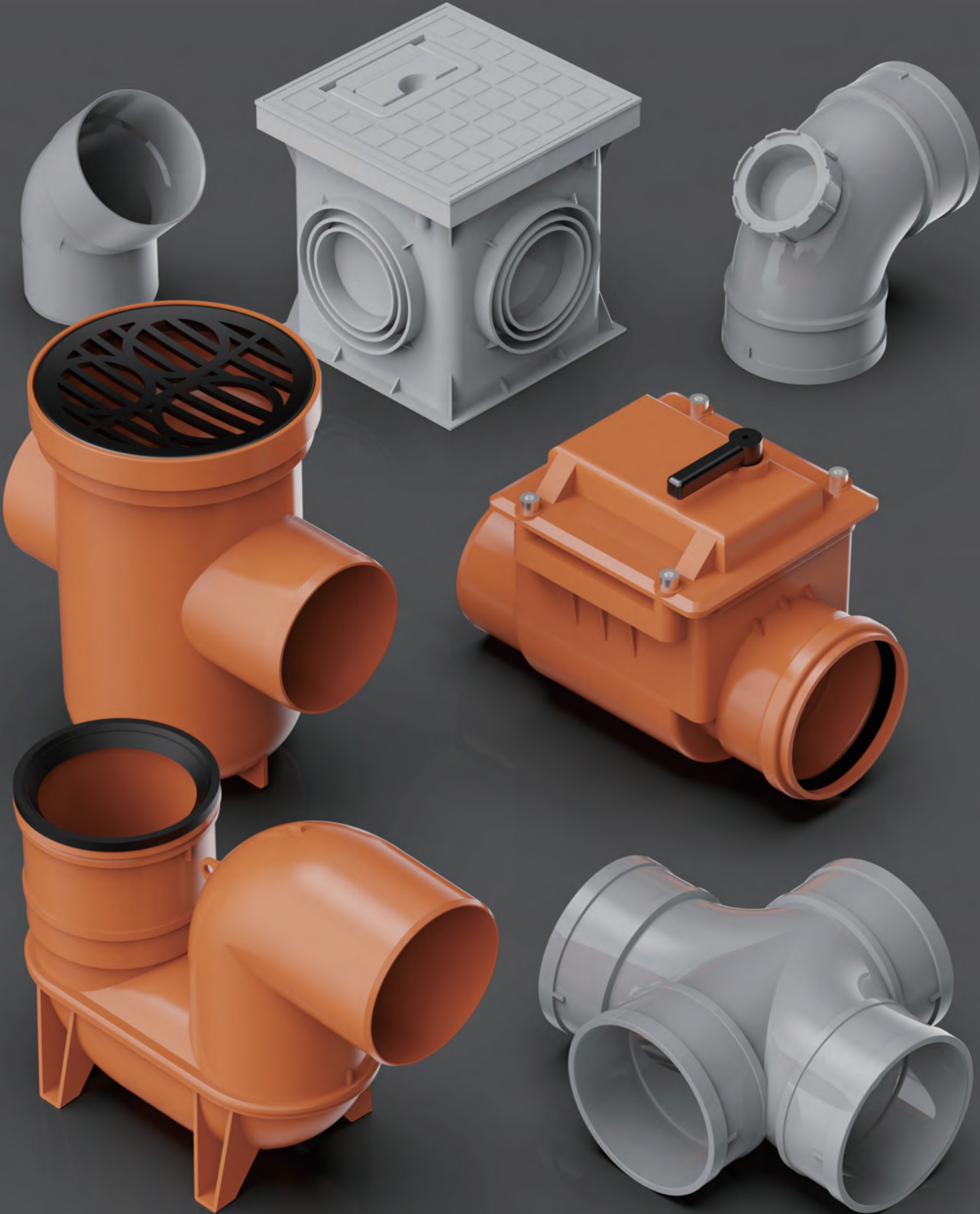
Size	A	B	C	D	E
63	656	779.7	680.7	121	114
90	729.2	825	688.6	121	114
110	770	887	697.4	121	114
125	770	972.6	725.9	121	114
160	812	972.6	715.9	121	114
180	812	1207	906.5	121	114
200	920.4	1207	894	238	280
225	934.4	1207	906.5	238	280
250	910.4	1257	906.5	238	280
280	910.4	1257	891.5	238	280
315	948.4	1332.4	914.5	238	280
355	983.4	1378	914.5	238	280
400	1065	1380	892	238	280



ITEM NO: PEBV04

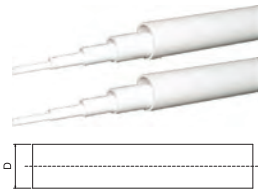
VALVE WITH DOUBLE PURGE

Size	A	B	C	D	E
63	656	779.7	680.7	434.4	311.4
90	729.2	825	688.6	434.4	311.4
110	770	887	697.4	434.4	311.4
125	770	972.6	725.9	434.4	311.4
160	812	972.6	715.9	528	405
180	812	1207	906.5	528	405
200	920.4	1207	894	684.4	514.4
225	934.4	1207	906.5	684.4	514.4
250	910.4	1257	906.5	684.4	514.4
280	910.4	1257	891.5	684.4	514.4
315	948.4	1332.4	914.5	684.4	514.4
355	983.4	1378	914.5	684.4	514.4
400	1065	1380	892	684.4	514.4



PVC PIPES & FITTINGS
FOR DRAINAGE

DRAINAGE



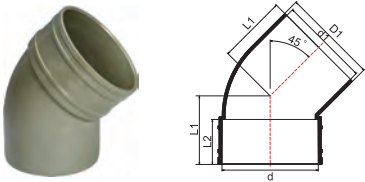
ITEM NO: UD001

DRAINAGE PIPES THE METRLC SYSTEM

Nom Size	Outer Dia	Wall Thickness
50	50	2.0
75	75	2.3
80	80	2.0
100	100	3.0
110	110	3.2
160	160	4.0
200	200	4.9
250	250	6.2

DRAINAGE PIPES THE BS SYSTEM

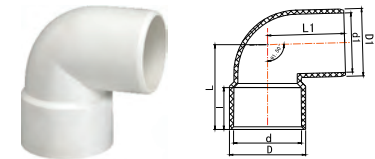
Nom Size	Outer Dia	Wall Thickness
1 1/4"	36.3	2.2
1 1/2"	42.9	2.3
2"	55.9	2.2
3"	82.6	3.2
4"	110	3.2
6"	160	4.0
8"	200	4.9
10"	250	6.2



ITEM NO:UDE006

45° ELBOW M/F DIN

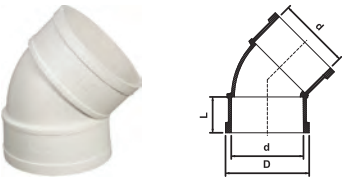
Nom Size	d	d1	D1	L2	L1
110	110	103.6	110	51.7	78.8



ITEM NO:UDE010

90° ELBOW M/F BS

Nom Size	D	d	d1	G	L
25X3/4"	33.3	25	43	3/4"	19.5



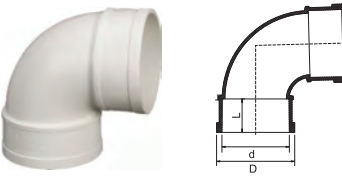
ITEM NO: UDE003

45° ELBOW DIN

Nom Size	D	d	L
50	58.4	50	25
75	83.5	75	40
110	120.6	110	48
160	173.6	160	58
200	216	200	70
250	266.6	250	75

45° ELBOW BS

Nom Size	D	d	L
1 1/2"	52	42.9	23
2"	62	55.9	29
3"	91.2	82.6	40
4"	120.6	110	48
6"	173.6	160	58
8"	216	200	70
10"	266.8	250	75



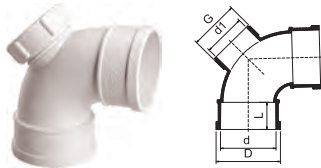
ITEM NO: UDE001

90° ELBOW DIN

Nom Size	D	d	L
50	58.4	50	25
75	83.5	75	40
110	120.6	110	48
160	173.6	160	58
200	216	200	70
250	266.6	250	75

90° ELBOW BS

Nom Size	D	d	L
1 1/4"	42.5	36.3	24.5
1 1/2"	52	42.9	23
2"	62	55.9	29
3"	91.2	82.6	40
4"	120.6	110	48
6"	173.6	160	58
8"	216	200	70
10"	266.8	250	75



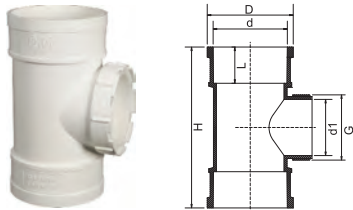
ITEM NO: UDE002

90° ELBOW (WITH INSPECTION PORT) DIN

Nom Size	D	d	L	G	d1
40	44.3	40.3	23.3		20.18
50	58.4	50	25	M45X2	38.8
75	83.5	75	40	M45X2	38.2
110	120.6	110	48	M72X2	63.5
160	173.6	160	58	M72X2	63.5

90° ELBOW (WITH INSPECTION PORT) BS

Nom Size	D	d	L	G	d1
2"	62	55.9	29	M45X2	38.8
3"	91.2	82.6	40	M45X2	38.2
4"	120.6	110	48	M72X2	62.8
6"	173.6	160	58	M72X2	61.2



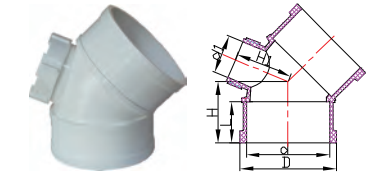
ITEM NO: UD002

INSPECTION PORT DIN

Nom Size	D	d	L	G	d1	H
50	58.4	50	25	M45X2	38.8	111
75	83.5	75	40	M72X2	63.5	168.8
110	120.6	110	48	M105X3	96.5	230
160	173.6	160	58	M105X3	94.3	275
200	216	200	70	M145X4	134	335
250	266.6	250	75	M145X4	133	361

INSPECTION PORT BS

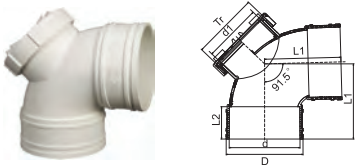
Nom Size	D	d	L	G	d1	H
2"	62	55.9	29	M45X2	38.8	111
3"	91.2	82.6	40	M72X2	63.5	168.8
4"	120.6	110	48	M105X3	96.5	230
6"	173.6	160	58	M105X3	94.3	275
8"	216	200	70	M145X4	134	335
10"	266.6	250	75	M145X4	133	361



ITEM NO: UDE011

45° ELBOW (WITH INSPECTION PORT)

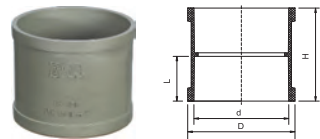
Nom Size	D	d	d1	L	H	H1
50	58.4	50.4	23.3	25	37	34.41



ITEM NO: UDE005

90° DOOR ELBOW BS

Nom Size	D	d	L2	Tr	d1	L1
3"	92.5	82.6	43	Tr76X4	66.5	96
4"	120	110	51.3	Tr104X4	90.4	119.3



ITEM NO: UD003

COUPLING DIN

Nom Size	D	d	L	H
50	58.4	50	25	52
75	83.5	75	40	82
110	120.6	110	48	99
160	173.6	160	58	120
200	216	200	70	144.5
250	266.6	250	75	155

COUPLING BS

Nom Size	D	d	L	H
1 1/2"	52	42.9	23	48.5
2"	62	55.9	29	61
3"	91.2	82.6	40	82
4"	120.6	110	48	99
6"	173.6	160	58	125
8"	216	200	70	144.5
10"	266.6	250	75	155



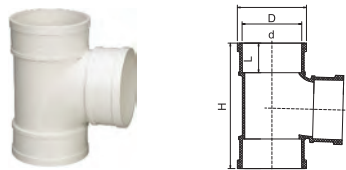
ITEM NO: UD008

CLEAN OUT DIN

Nom Size	D	d	H
50	50	46	39
75	75	70.4	54
110	110	103.6	64.5
160	160	152	78

CLEAN OUT BS

Nom Size	D	H
1 1/4"	36.3	40
1 1/2"	42.9	48.5
2"	55.9	61
3"	82.6	82
4"	110	99
6"	160	125



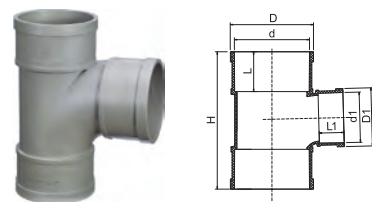
ITEM NO: UDT001

DOWNSTREAM TEE DIN

Nom Size	D	d	L	H
50	58.4	50	25	106
75	83.5	75	40	166
110	120.6	110	48	219
160	173.6	160	58	296
200	216	200	70	355
250	266.6	250	75	423

DOWNSTREAM TEE BS

Nom Size	D	d	L	H
1 1/4"	42.7	36.3	23	99
1 1/2"	52	42.9	23	100.5
2"	62	55.9	29	133
3"	91.2	82.6	40	170
4"	120.6	110	48	219
6"	173.6	160	58	296
8"	216	200	70	355
10"	266.8	250	75	423



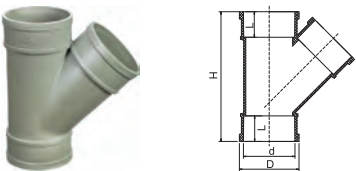
ITEM NO: UDT002

REDUCING DOWNSTREAM TEE DIN

Nom Size	D	d	L	H	D1	d1	L1
75X50	83.5	75	40	138	58.4	50	25
110X50	120.6	110	48	155	58.4	50	25
110X75	120.6	110	48	185	83.5	75	40
160X110	173.6	160	58	238	120.6	110	48
200X160	216	200	70	320	173.6	160	58
250X200	266.6	250	75	382.9	214.6	200	70

REDUCING DOWNSTREAM TEE BS

Nom Size	D	d	L	H	D1	d1	L1
3"X2"	91.2	82.6	40	138	62	55.9	29
4"X2"	120.6	110	48	155	62	55.9	29
4"X3"	120.6	110	48	185	91.2	82.6	40
6"X4"	173.6	160	58	238	120.6	110	48
8"X6"	216	200	70	320	173.6	160	58
10"X8"	266.6	250	75	382.9	216	200	70



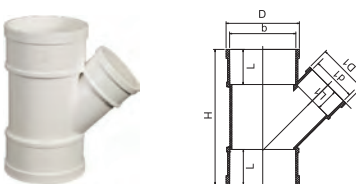
ITEM NO: UDT003

SKEW TEE DIN

Nom Size	D	d	L	H
50	58.4	50	25	127
75	83.5	75	40	192
110	120.6	110	48	259
160	173.6	160	58	257
200	212.8	200.9	70	442

SKEW TEE BS

Nom Size	D	d	L	H
1 1/2"	52	42.9	23	121.1
2"	62	55.9	29	152.1
3"	91.2	82.6	40	195
4"	120.6	110	48	259
6"	173.6	160	58	257



ITEM NO: UDT004

REDUCING SKEW TEE DIN

Nom Size	D	d	L	H	D1	d1	L1
75X50	83.5	75	40	154	58.4	50	25
110X50	120.6	110	48	174	58.4	50	25
110X75	120.6	110	48	208	83.5	75	40
160X110	173.6	160	58	279.5	120.6	110	48

REDUCING SKEW TEE BS

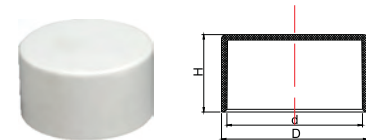
Nom Size	D	d	L	H	D1	d1	L1
4"X2"	120.6	110	48	174	62	55.9	29
6"X4"	173.6	160	58	279.5	120.6	110	48



ITEM NO:UDT006

REDUCING COUPLING BS

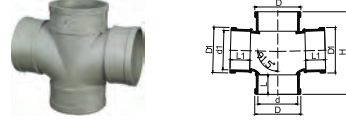
Nom Size	D	d	L	D1	d1	L1	H
1 1/2"X1 1/4"	47.2	42.9	29	40.5	36.3	20	60
2"X1 1/4"	60.5	55.9	29	40.45	36.45	20	65
2"X3/4"	60.5	55.9	29	30	27	19.5	59.5
3"X2"	88.1	82.6	40	60.5	55.9	29	98
4"X2"	116.9	110	50	60.5	55.9	29	108
4"X3"	116.9	110	50	88.1	82.6	40	120



ITEM NO:UDECO1

END CAP

Nom Size	D	d	L	H
1 1/2"	47.7	43.1	23	26
2"	61	56.4	29	32
3"	87.5	82.9	50	53



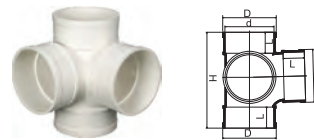
ITEM NO: UDC001

PLANE CROSS DIN

Nom Size	D	d	L	H	D1	d1	L1
50	58.4	50	25	106	58.4	50	25
75	83.5	75	40	166	83.5	75	40
110	120.6	110	48	219	120.6	110	48
125	132.2	125.6	51.5	254	132.2	125.6	51.5
160	173.6	160	58	296	173.6	160	58
75X50	83.5	75	40	138	58.4	50	25
110X50	120.6	110	48	155	58.4	50	25
110X75	120.6	110	48	185	83.5	75	40
160X110	173.6	160	58	238	120.6	110	48

PLANE CROSS BS

Nom Size	D	d	L	H	D1	d1	L1
4"	120.6	110	48	219	120.6	110	48
6"	173.6	160	58	296	173.6	160	58
3"X2"	91.2	82.6	40	138	62	55.9	29
4"X2"	120.6	110	48	155	62	55.9	29
6"X4"	216	200	70	238	120.6	110	48



ITEM NO: UDC002

CUBIC CROSS DIN

Nom Size	D	d	L	H
110	120.6	110	48	219



ITEM NO: UDC003

SKEW CROSS DIN

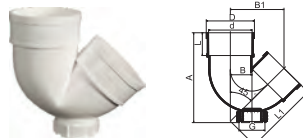
Nom Size	D	d	L	H
110	120.6	110	48	219



ITEM NO: UDS003

P-TRAP DIN

Nom Size	D	d	L	d1	G
50	58.4	50	25	38.8	M45X2
63	69.5	63.5	38	37	M43X2
75	83.5	75	40	38.2	M45X2
80	85.5	80.5	42.5	49.8	M55.8X2
110	120.6	110	48	63.5	M72X2
160	173.6	160	58	63.5	M72X2



ITEM NO: UDS002

DOUBLE SOCKET TRAP DIN

Nom Size	D	d	L	A	B	B1	G	L1
50	58.4	50	25	106.5	25	61	M45X2	86.3
75	83.5	75	40	158.2	37.5	93	M45X2	131.5
110	120.6	110	48	218.2	55	129.2	M72X2	182.7

DOUBLE SOCKET TRAP BS

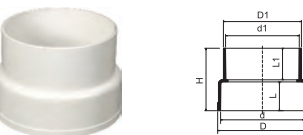
Nom Size	D	d	L	A	B	B1	G	L1
2"	62	55.9	29	106.5	25	61	M45X2	86.3
3"	91.2	82.6	40	158.2	37.5	93	M45X2	131.5
4"	120.6	110	48	218.2	55	129.2	M72X2	182.7
6"	173.6	160	58	275	80	179.4	M72X2	253.7



ITEM NO: UDS001

SINGLE SOCKET TRAP DIN

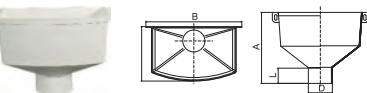
Nom Size	D	d	L	d1	d2	G
50	58.4	50	25	38.8	50	M45X2
75	83.5	75	40	38.2	75	M45X2
110	120.6	110	48	63.5	110	M72X2
160	173.6	160	58	63.5	160	M72X2



ITEM NO: UD005

WC CONNECTOR DIN

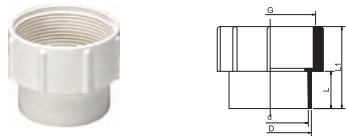
Nom Size	D	d	L	D1	d1	L1	H
110	134.3	125	43.8	117	110	48	95



ITEM NO: UD006

SQUARE RAIN WATER HOPPER DIN

Nom Size	D	L	A	B
50	70	40	210	280
75	102.2	45	230.9	332
110X75	102.2/69.6	55/45	278.9	332
160	160	56.5	232	358.2



ITEM NO: UD009

● WATER BASIN CONNECTOR DIN

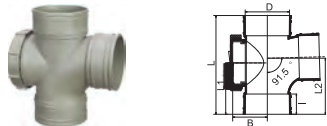
Nom Size	d	D	G	L	L1
50X40	50.0	54.4	G 1 1/2"	25	55
50X50	50.0	54.4	G 2"	25	55



ITEM NO: UDS004

● S-TRAP DIN

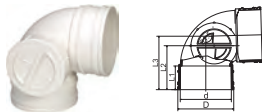
Nom Size	D	d	H	G
50	58.4	50	25	M45X2
63	69.5	63.5	36	M43X2
75	83.5	75	40	M45X2
80	84.9	80.5	42.5	M55.8X2
110	120.6	110	48	M72X2



ITEM NO:UDT008

● DOOR TEE

Nom Size	D	B	I	L	L1	L2
50	58.4		25	106	51	
110	110	86.5	51.3	250.3	130.2	142.1
160	160.6	111.5	60.3	288.2	144.1	144.1



ITEM NO:UDE004

● 90° ELBOW WITH SIDE PORT

Nom Size	d	D	L1	L2	L3
110	110	121	52	130.1	136.6



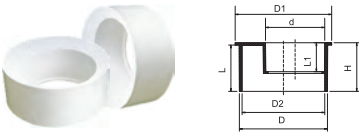
ITEM NO: UD015

● COUPLING EXTENSION DIN

Nom Size	D	L	L1
50	50	25	72.5
75	75	40	104.8
110	110	48	124
160	160	58	154.5

● COUPLING EXTENSION BS

Nom Size	D	L	L1
2"	55.9	29	72.5
3"	82.6	40	104.8
4"	110	48	124
6"	160	58	154.5



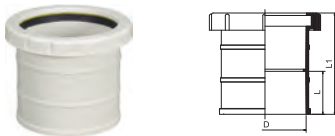
ITEM NO: UD004

● REDUCING BUSHES DIN

Nom Size	D	d	L	D1	D2	L1	H
75X50	75	50	40	82.1	70.4	25	42
110X50	110	50	48	119.4	103.4	25	50
110X75	110	75	48	119	103.4	40	50
160X110	160	110	58	171.6	151.8	48	60
200X160	200	160	70	213	190.9	58	73
250X200	250	200	75	260.6	239.9	70	80

● REDUCING BUSHES BS

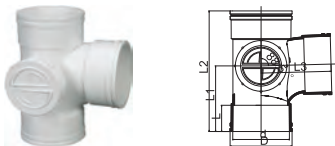
Nom Size	D	d	L	D1	D2	L1	H
2"X1 1/2"	55.9	42.9	29	62	50.4	22.5	31
3"X2"	82.6	55.9	40	91.2	76.9	29	42
4"X1 1/2"							
4"X2"	110	55.9	48	119.4	104	29	50
4"X3"	110	82.6	48	119.4	82.6	40	50
6"X4"	160	110	58	171.6	152	48	60
8"X6"	200	160	70	213	190.9	58	73
10"X8"	250	200	75	260.6	239.9	70	80



ITEM NO: UD014

● EXTENSION JOINT DIN

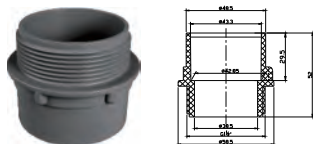
Nom Size	D	L	L1
50	50	25	62
75	75	40	94.3
110	110	48	112.2
160	160	58	146
200	200	70	171.5



ITEM NO:UDT007

● TEE WITH SIDE PORT

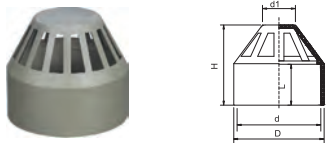
Nom Size	d	D	L	L1	L2	L3
110	110	121	52	130.1	239	136.6



ITEM NO:UD0030

● MALE SOCKET

Nom Size	D1	D	d	d1	L	H	G
1 1/2"	58.5	48.5	42.9	38.5	29.5	52	1 1/2"
2"	71	61.5	55.9	51.5	31.8	54.5	2"



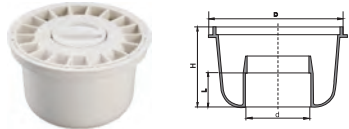
ITEM NO: UD007

● VENT CAP DIN

Nom Size	D	d	L	H	d1
50	54.4	50	25	49	19.8
75	80.1	75	40	82	39.8
110	117	110	48	99.9	61.1
160	168.6	160	58	143	82.3

● VENT CAP BS

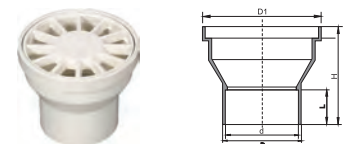
Nom Size	D	d	L	H	d1
2"	62	55.9	29	49	19.8
3"	91.2	82.6	40	82	39.8
4"	120.6	110	48	99.9	61.1
6"	173.6	160	58	143	82.3



ITEM NO: UDD001

● II-FLOOR DRAIN DIN

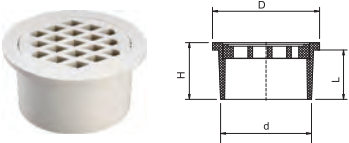
Nom Size	D	d	L	H
50	108	50	25	67
75	159	75	40	94



ITEM NO: UDD003

● BALCONY FLOOR DRAIN DIN

Nom Size	D	d	L	H	D1
50	54.4	50	25	59.5	81.4



ITEM NO: UDD004

● SIMPLE FLOOR DRAIN DIN

Nom Size	D	d	L	H
50	53	45	25	28.5
75	86	69	40	44
110	119	102.4	48	52.5
160	174	143.6	58	70

● SIMPLE FLOOR DRAIN BS

Nom Size	D	d	L	H
2"	53	55.9	24.8	28.5
3"	86	82.6	40	44
4"	119	102.4	48.5	52.5
6"	174	143.6	64	70



ITEM NO: UD012

● II-LIFTING LUG DIN

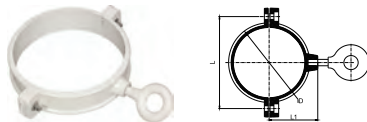
Nom Size	D	A1	A2	L1
50	50	37.7	34.4	52.5
75	75	50.5	47.4	65
110	110	71	68.5	90.6
160	160	95.5	94.9	115.7



ITEM NO: UD033

● U CLIP

Nom Size	d	D	D1	L	H
3"	82	90	129	57.5	102.5
4"	110	119	175	69	128.5



ITEM NO: UD011

● LIFTING LUG DIN

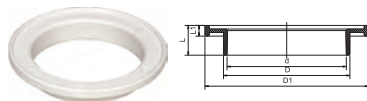
Nom Size	D	L	L1
50	50	72	38
75	75	98	51
110	110	133	69
160	160	190	100.6



ITEM NO: UD010

● PIPE CLAMP DIN

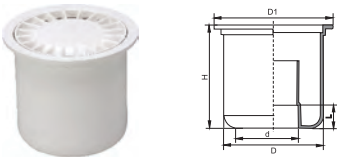
Nom Size	D	L	L1
50	50	72	38
75	75	98	51
110	110	133	69
160	160	190	100.6



ITEM NO: UD013

● LEAK PROOF RING DIN

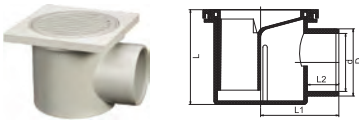
Nom Size	d	D	D1	L	L1
50	50	54.2	73	15	5
75	75	70.4	105.6	20.5	7
110	110	117.0	140	20.5	7



ITEM NO: UDD002

HIGH-DEEP FLOOR DRAIN DIN

Nom Size	D	d	L	H	D1
50	99.2	50	25	104.5	119
75	124	75	40	104.5	114.2



ITEM NO:UDD008

JNL FLOOR DRAIN DIN

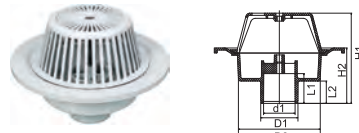
Nom Size	D	d	L	L1	L2
50	58.3	50	82.2	67.6	27.4



ITEM NO: UDD005

SQUARE FLOOR DRAIN DIN

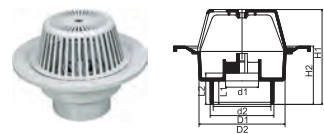
Nom Size	D	d	L	H	D1
50	54.4	50	25	75	105
110	117	110	48	104.4	182.4



ITEM NO:UDD020

ROOF DRAIN FEMALE

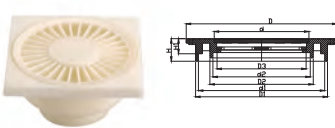
Nom Size	d1	D1	D2	L1	L2	H1	H2
75X63	63.0	75	164.9	60	45	111.6	181.7



ITEM NO:UDD021

ROOF DRAIN MALE

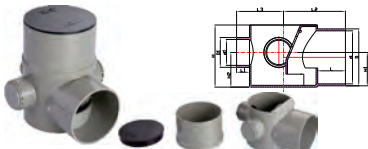
Nom Size	d1	d2	D1	D2	L1	L2	H1	H2
110	63	110.0	122.1	164.9	45	60	179.2	111.6



ITEM NO:UDD045

SQUARE FLOOR DRAIN II

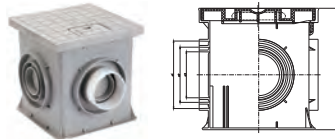
Nom Size	D	d	D1	L	H
50	54.1	50.4	98	16.7	49.9



ITEM NO: UDD046

JR FLOOR DRAIN

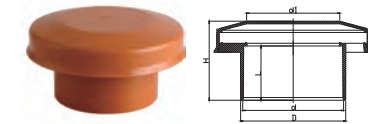
Nom Size	D	d	D1	d1	L	L1	L2	L3	H	H1	H2
125X110X50	110	102.5	57.5	50	53.55	25	119.75	90.75	120	64.5	67



ITEM NO:UDD047

CATCH BASIN

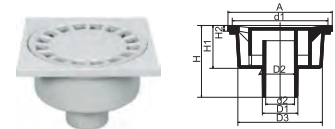
Nom Size	H	d1	d2	d3	d4
200X200	199	110	90	75	
300X300	295	159.9	109.9	74.9	
400X400	387	200.9	160.8	110.6	75.5



ITEM NO:UD037

ROOF DRAIN

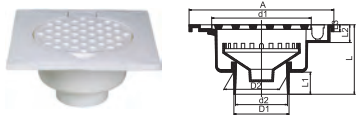
Nom Size	D	d	L	H	d1
110	116.7	112	60.2	87.7	103.5



ITEM NO:UDD015

MALE FLOOR DRAIN DIN

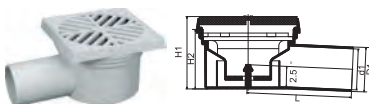
Nom Size	d1	d2	D1	D2	D3	A	H	H1	H2
40	94	34.6	40	40.3	92.2	99	93	61	7.5
50X40	134	40.4	50	50.3	118.3	146	100.5	60	8
75X63	179.3	63.2	75	75.3	164	198.5	109.2	64.5	8
110	179.3	98	110	110.3	164	198.5	107.2	64.5	8



ITEM NO:UDD023

APPLE GRATING (PP MATERIAL) BS

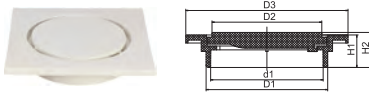
Nom Size	d1	d2	D1	D2	A	L	L1	L2	L3
2"	100.4	52.8	55.9	56.3	147	70.5	22.4	18	7



ITEM NO:UDD011

FLOOR DRAIN (SNOW FLAKE) DIN

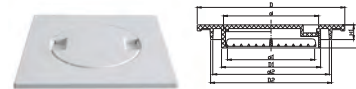
Nom Size	d1	D1	H1	H2	L
50	45.3	50	80.3	66	115.9



ITEM NO:UDD010

FLOOR DRAIN COVER BS

Nom Size	d1	D1	D2	D3	H1	H2
15X15(mm)	101.96	110	99.5	147	29.4	31.8



ITEM NO:UDD010-1

FLOOR DRAIN COVER BS

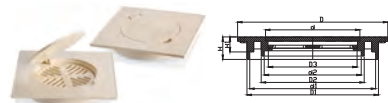
Nom Size	D	d	D1	d1	D2	d2	H1	H
15X15(mm)	149	96	100	88	122.7	117.2	15	23



ITEM NO:UDD010-2

FLOOR DRAIN COVER BS

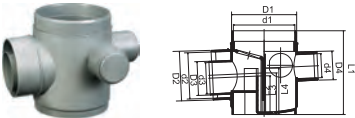
Nom Size	D	d	D1	d1	D2	d2	H1	H
15X15(mm)	150	97	94	86	122.7	117.2	15	22



ITEM NO:UDD048

FLOOR DRAIN COVER BS

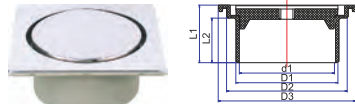
Nom Size	D	d	D1	d1	D2	d2	D3	H	H1
20X20(mm)	200.5	126.5	175.5	168	137.5	129.5	118.5	30	20



ITEM NO:UDD009

FLOOR DRAIN BS

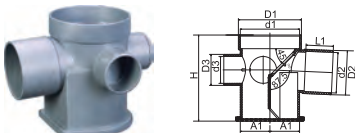
Nom Size	D1	d1	D2	d2	D3	d3	D4	d4	L1	L2	L3	L4
4"X3"X2"X1 1/2"	1168	110	89	82.6	60.6	55.9	51.5	42.9	150.2	69.44	74.61	83.12



ITEM NO:UDD022

FLOOR DRAIN COVER WITH STAINLESS COVER BS

Nom Size	d1	D1	D2	D3	L1	L2
4"	102.5	110	130	145.6	62	48



ITEM NO:UDD012

FLOOR DRAIN

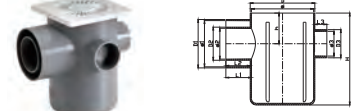
Nom Size	d1	D1	d2	D2	d3	D3	L1	A1	H
100X75X50X50X50	110.7	117.5	75	82.4	50	57.7	51	57.5	157



ITEM NO:UDD007

FLOOR DRAIN

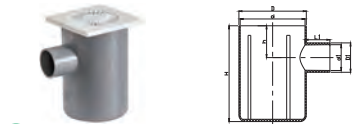
Nom Size	d	D	d1	D1	L	L1	L2	L3	H	H1	H2
160X110X50	102.2	110	50	58.2	65.1	37.5	147.5	121.5	90.9	105.9	160.8



ITEM NO:UDD040

FLOOR TRAP WITH COVER

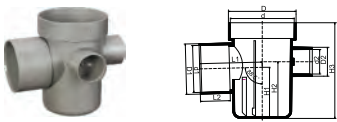
Nom Size	D	d	D1	d1	D2	d2	D3	d3	L	L2	L3	h	H
100X75X50X40	105.6	101.6	79	75	54	50	46	40	42	40	20.5	50	150



ITEM NO:UDD041

GULLY TRAP LOWER TYPE DIN STANDARD

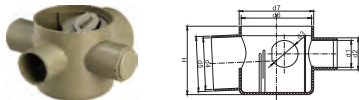
Nom Size	D	d	D1	d1	L1	h	H
100X50X40	105.6	101.6	46	40	39	50	150



ITEM NO:UDD024

FLOOR DRAIN

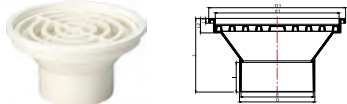
Nom Size	D	d	D1	d1	D2	d2	L1	L2	H1	H2	H3
4"X3"	116.8	110.4	89	82.6	51	43.3	108	51.5	90.3	100.1	169



ITEM NO:UDD027

GULLY TRAP LOWER TYPE

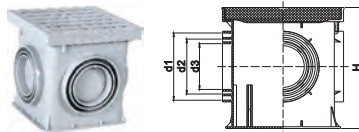
Nom Size	d1	d2	d3	d4	d5	d6	d7	H
4X3X2X1 1/2"	43.2	51.5	43.2	82.9	88.4	110.5	117	109.8



ITEM NO: UDD026

FLOOR DRAIN

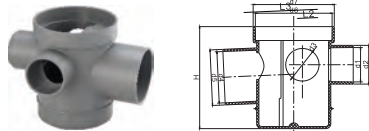
Nom Size	D	d	D1	d1	L	L1	L2	L
6"X4"	117	110	210	190	46.5	7.5	22.7	115.5



ITEM NO:UDD028

CATCH BASIN SQARE

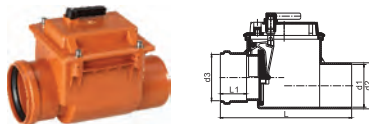
Nom Size	H	d1	d2	d3
200X200	199	110	90	75



ITEM NO:UDD029

FLOOR TRAP

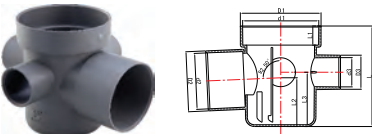
Nom Size	d1	d2	d3	d4	d5	d6	d7	H
100X75X50	50.6	57	48	75.6	81.8	110.5	116.8	150



ITEM NO:UDD030

DRANAGE NON-RETURN VALVE

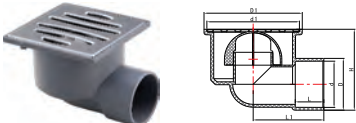
Nom Size	d1	d2	d3	L	L1
110	102	110	110.6	306.8	61.3
160	154.2	160	160.6	325.7	74
200	190	200	204	451	84



ITEM NO:UDD034

BH FLOOR DRAIN

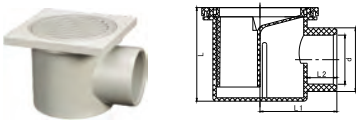
Nom Size	D1	d1	D2	d2	D3	d3	L1	L2	L3	L
4"X3"X2"X1 1/2"	117	110	89	83	51.5	43.3	28.3	72.3	80.5	149



ITEM NO:UDD035

FLOOR DRAIN

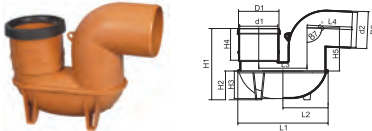
Nom Size	D	d	D1	d1	L	L1	H
50	56.2	50	104.3	98.2	30.3	75	87.8



ITEM NO:UDD032

II JNL FLOOR DRAIN

Nom Size	D	d	L	L1	L2
2X1 1/2"	55.9	43.1	82.2	66	25.5



ITEM NO:UD017

P-TRAP BS

Nom Size	D1	d1	D2	d2	H1	H2	H3	H4	H5	L1	L2	L3	L4
4"	117	110.5	110	104	212	85.5	82	94.7	128.5	262.2	126.5	140.4	130.1



ITEM NO:UDL001

P-TRAP II

Nom Size	D1	d1	D2	d2	H1	H2	H3	H4	H5	L1	L2	L3	L4
4"	120.8	114.8	110	104	189.5	84	80.77	92.7	108.5	238.5	121.16	158.13	106



ITEM NO:UDD033

FLOOR TRAP

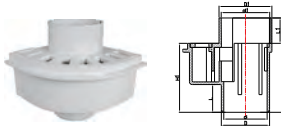
Nom Size	D1	d1	D2	d2	D3	D4	d4	L1	L2	L3	L
6"X4"X4"	167	160	110	104	127.2	118	112	132	135.4	270	372



ITEM NO:UDD031

BALCONY DRAIN

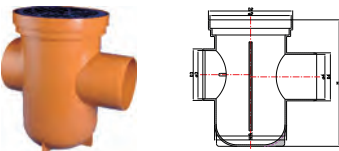
Nom Size	D	d	H
110	110	102	198



ITEM NO:UDD037

ANGLE FLOOR DRAIN

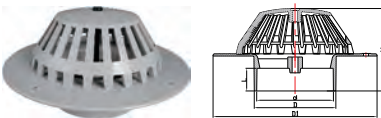
Nom Size	D1	d1	D2	d2	D3	d3	D4	d4	H
80	161.4	154.4	188.8	181.8	118	110	110	103	289.5



ITEM NO:UDD038

FLOOR TRAP TYPE II

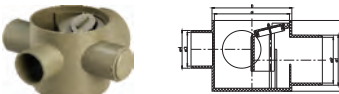
Nom Size	D	d	D1	d1	L	L1	H	H1	
6"X4"X4"	80	80	72	87.8	80	47	43	160	117



ITEM NO:UDD039

ROOF DRAIN

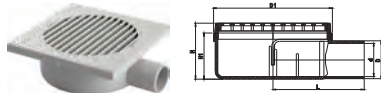
Nom Size	D1	D	d	L	H
3"	177.4	89	82.6	25	91.1
4"	404	116.5	110	28.5	169



ITEM NO:UDD042

GULLY TRAP LOWER TYPE DIN STANDARD

Nom Size	D	d	d1	d2	d3	d4	H
110X75X50	117	110	75	69	50	56	106



ITEM NO:UDD043

FLOOR DRAIN

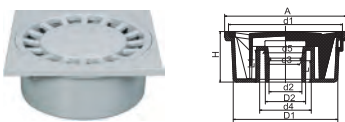
Nom Size	D	D1	d	L	H	H1
150X150X50	49.3	151.8	43.3	116.5	72.7	60
200X200X50	49.3	180.8	43.3	137.2	73.2	60.2



ITEM NO:UDD044

FLOOR DRAIN

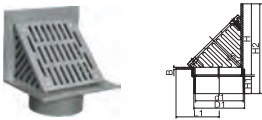
Nom Size	D	D1	d	d1	L	l
4"	117	164.5	110.6	154.5	90	26



ITEM NO:UDD018

FEMALE FLOOR DRAIN DIN

Nom Size	d1	d2	d3	d4	d5	D1	D2	A	H	L	L1
50X40X32	93.6	32.0	31.9	50	40.3	84.75	40	99	50.6	24.8	32
63X50X40	140	40.0	39.9	63	50.3	128.5	50	149.5	63.5	26.8	40
90X75X63	183.5	63.0	62.9	90	75.3	166	75	199	92.2	46.1	59.3



ITEM NO:UDD006

RAIN WATER OUTLET

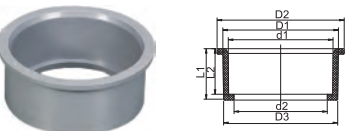
Nom Size	D1	d1	L1	B	H	H1	
110	117	110	99.5	4.5	167.5	40.5	211.5



ITEM NO:UD020

CLAMP WITH SCREW

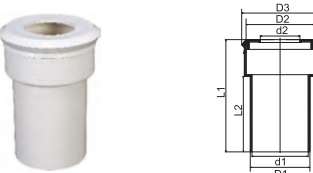
Nom Size	d1	d2	D	L1	L2	R1	R2
3"	61.7	50	68.2	39	140.8	40.3	43.6
4"	61.7	50	68.2	34.6	166.2	54.5	57.5
6"	61.7	50	68.2	31.3	192	80.1	83



ITEM NO:UD019

REDUCING RING FOR CLAMP

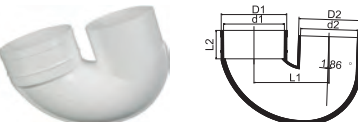
Nom Size	d1	D1	D2	d2	D3	L1	L2
2"X3"	55.9	62	68.2	50	61.2	27.7	25



ITEM NO:UD018

PAN ADAPTOR

Nom Size	d1	D1	d2	D2	D3	L1	L2
4"	103.6	110	73	125.4	141.6	211.7	142.4



ITEM NO:UD021

U-TRAP

Nom Size	d1	D1	d2	D2	L1	L2
110	110	118.4	103	110	135.5	52.5

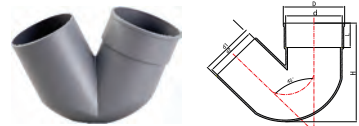


ITEM NO:UD0031

● SYPHON + ELBOW 45° TYPE III

Nom Size	D	D1	d1	D2	d2	L1	H1	H
110	126	117	110	110	103	54	97	152

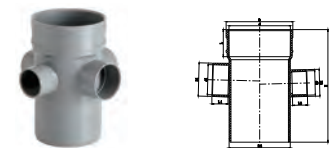
Nom Size	D	D1	d1	D2	d2	L1	H1	H2
110	126	117	110	110	103	54	92.8	91.4



ITEM NO:UD028

● SYPHON

Nom Size	D	d	d1	d2	L	H
110	120	110	110	103.4	49.5	200

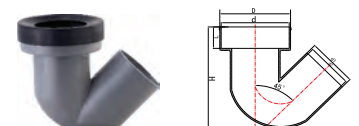


ITEM NO: UD034

● RAISER

Nom Size	d	d1	d2	D	D1	D2	D3	L	L1	L2	H
4X2X1 1/2"	110.5	56.1	43.3	120	62	50	110	50.5	28.9	27	210

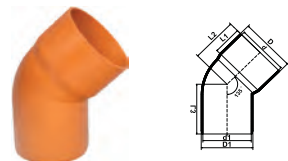
Nom Size	D	D1	D2	d	d2	L	L1	L2	L3	L4	H
110X63X50	116.35	110	62.9	62.9	50.39	95	49	26	160.5	166	185



ITEM NO:UD029

● SYPHON TYPE II

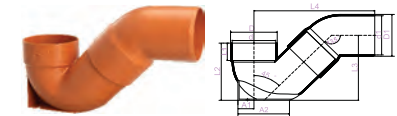
Nom Size	D	d	d1	d2	L	H
150X110	156	150	110	103.4	49	231



ITEM NO:UDR003

● 45° ELBOW M/F

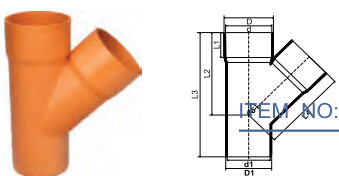
Nom Size	D	d	D1	d1	L1	L2	L3
110	118	110	110	103	62	99.3	109.8



ITEM NO:UDR005

● WING P-TRAP

Nom Size	D	d	D1	d1	L1	L2	L3	L4	A1	A2
110	118	110	110	103	45.7	150.4	170.9	306.27	40.65	130.71

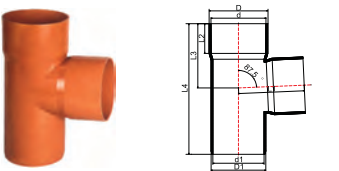


ITEM NO:UD019

ITEM NO:UDR001

● SKEW TEE M/F

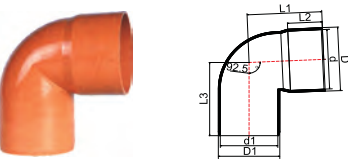
Nom Size	D	d	D1	d1	L1	L2	L3	L4
110	118	110	110	103	204.72	62	308.5	204.63



ITEM NO:UDR006

● TEE M/F

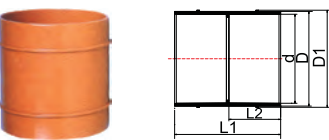
Nom Size	D	d	D1	d1	L1	L2	L3	L4
110	118	110	110	103	132.35	62	134.03	272.5



ITEM NO:UDR008

● 90° ELBOW M/F

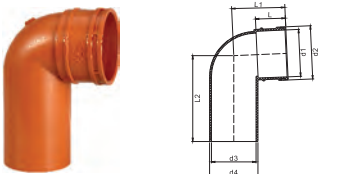
Nom Size	D	d	D1	d1	L1	L2	L3
110	118	110	110	103	133.75	62	135.82



ITEM NO:UDR011

● COUPLING II

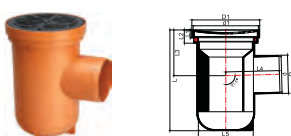
Nom Size	D	D1	d	L1	L2
110	117.6	120.6	110	127	62



ITEM NO:UD026

● LONG BEND 90° ELBOW

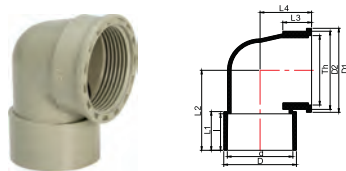
Nom Size	d1	d2	d3	d4	L1	L2	L
3"	82.9	94	76	82.4	90.7	151.6	51
4"	110	121	102.8	110.2	108.6	197	48.5



ITEM NO: UDD025

● FLOOR TRAP

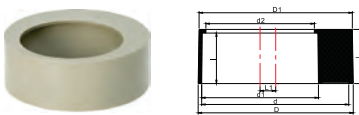
Nom Size	D	d	D1	d1	L1	L2	L3	L4	L5	L
6"X4"	110	103	188.8	181.8	23	38.2	131.9	149.4	152.7	290.6



ITEM NO: UD022

● FEMALE ELBOW

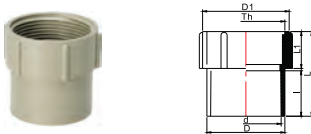
Nom Size	D	d	D1	D2	Th	I	L1	L2	L3	L4
1 1/2"	48	43.3	57.5	53.5	RP1 1/2"	25	26.5	54.75	19	34



ITEM NO: UD024

● REDUCING RING FOR DRAINAGE

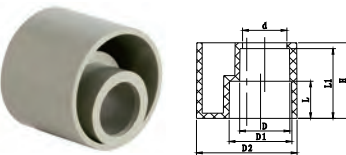
Nom Size	D	d	d1	D1	d2	I	L1	L
4"X3"	110.4	104.8	82.6	109.9	77.3	44	11.2	48



ITEM NO: UD023

● FEMALE SOCKET

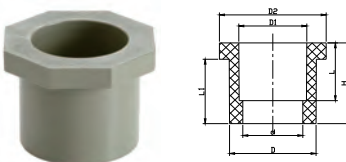
Nom Size	D	d	D1	Th	I	L1	L
1 1/2"	48	43.3	53.3	RP1 1/2"	29	23.5	54



ITEM NO: UD035

● REDUCING BUSH FOR PRESSURE AND WASTE

Nom Size	d	D	D1	D2	L	L1	H
1/2"X3/4"X1 1/2"	19	21.5	26.9	43.1	16.5	31	33.6



ITEM NO: UD036

● REDUCING BUSH FOR DRAINAGE

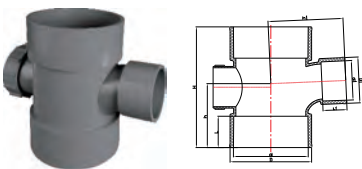
Nom Size	d	d1	d2	D	D1	D2	D3	L	L1	L2	H
1 1/2"X1"	110.5	56.1	43.3	120	62	50	110	50.5	28.9	27	210



ITEM NO: UD025

● PAN ADAPTOR WITH RUBBER

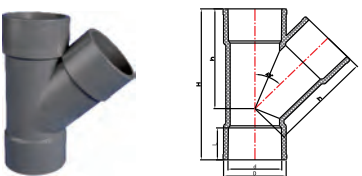
Nom Size	D	d	d1	D1	d2	d3	L1	L
4"	144.86	140.99	122.5	129	114.5	94	99.5	121



ITEM NO:EDT004

● REDUCING TEE WITH INSPECTION PORT

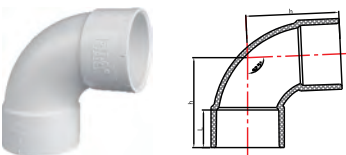
Nom Size	D	d	L	h
60	68.5	60	35.5	89.3



ITEM NO:EDT003

● SKEW TEE

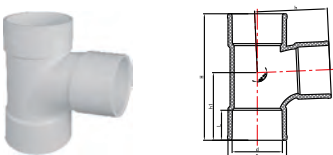
Nom Size	D	d	L	h	H
48	56.6	48	30	93.5	141.5
60	68.5	60	35.5	113	165



ITEM NO:EDE001

● 90° DEGREE ELBOW

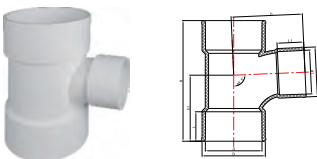
Nom Size	D	d	L	h
48	56.6	48	30	71.8
60	68.5	60	35.5	89.3
110	120.6	110	48	141.7



ITEM NO:EDT001

● STRAIGHT TEE

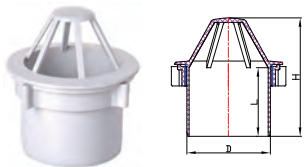
Nom Size	D	d	L	H	h1	h
48	56.6	48	30	126.8	67.7	70.4
60	68.5	60	35.5	153.1	82	89



ITEM NO:EDT002

● REDUCING TEE

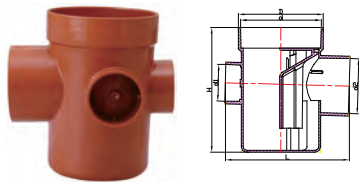
Nom Size	D	d	L	D1	d1	L1	H	h1	h
75X60	84.4	75	40.7	68.5	60	35.5	166.7	91.2	95.2
110X60	120.6	110	48	70.3	60	35.5	185	96	112



ITEM NO:UD038

VENT CAP II

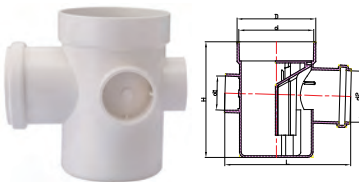
Nom Size	D	L	H
80	76.5	108.5	62.91



ITEM NO:UDD029-1

FLOOR DRAIN III

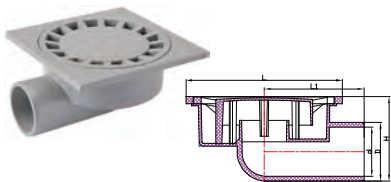
Nom Size	D	d	d1	d2	L	H
110X75X50	116.9	110.9	50.4	75.5	170.31	171.5



ITEM NO:UDD029-2

FLOOR DRAIN IV

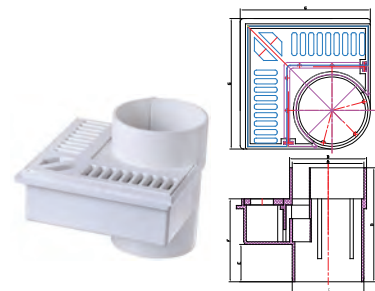
Nom Size	D	d	d1	d2	L	H
110X75X50	116.9	110.9	50.4	76	186.3	171.5



ITEM NO:UDD054

MALE FLOOR WITH SIDE OUTLET

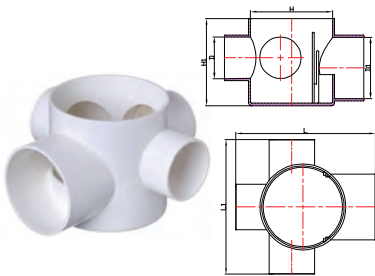
Nom Size	D	d	H	L	L1
75X63	74.9	63.2	107.98	200	128



ITEM NO:UDD053

SQUARE ANGLE FLOOR DRAIN

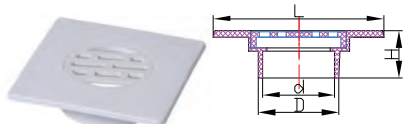
Nom Size	A	B	C	D	E	F	G
110	110.25	118.47	110	175	57	127	200



ITEM NO:UDD050

FLOOR DRAIN (with three plugs)

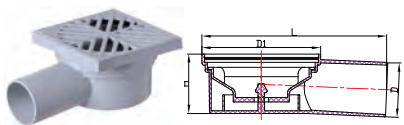
Nom Size	D	D1	H	H1	L	L1
4"X3"X2"	56.4	82.9	111	117.5	188.5	181.5



ITEM NO:UDD052

SMALL FLOOR DRAIN

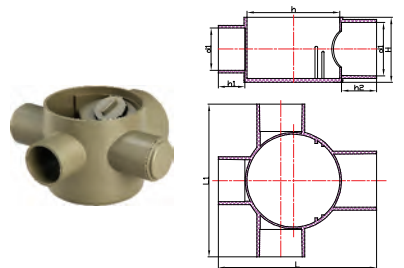
Nom Size	D	d	H	L
1 1/2"	38	34.2	22.3	80.7
2"	50.5	45	20.4	80.7



ITEM NO:UDD049

FLOOR DRAIN (SNOW FLAKE) SHORT YYPE

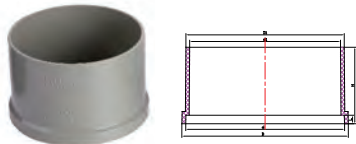
Nom Size	D	d1	H	L
50	50	109.6	54.8	170.57



ITEM NO:UDD055

GULLY TRAP Ceylon type (with three plugs)

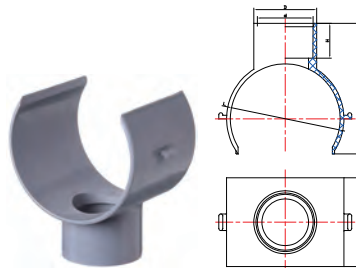
Nom Size	d	d1	H	h	h1	h2	L	L1
63X50X50X50	50.3	63.4	77	110.1	31.5	41.35	187.65	181



ITEM NO:UDD007-1

FLOOR TRAP COUPLING

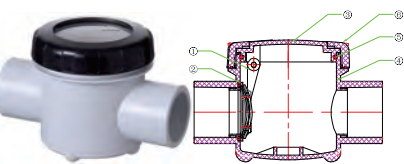
Nom Size	D	d	D1	d1	H	L
160	176.7	168.5	168	160	81	9



ITEM NO:UD039

BOSS CONNECTOR

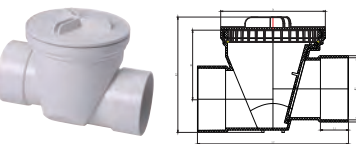
Nom Size	D	d	H	H1	H2	L
110X50	57	50.5	31.5	118	80.3	99.5



ITEM NO:UDD056

SWING CHECK VALVE

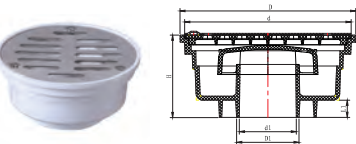
NO.	PATR	MATERIAL	Q'TY
1	Washer	ABS	1
2	Seal ring	RUBBER	1
3	Transparent cover	PC	1
4	Body	PVC-U	1
5	O-ring	RUBBER	1
6	Cap	ABS	1



ITEM NO:UDD061

DRAINAGE NON-RETURN VALVE III

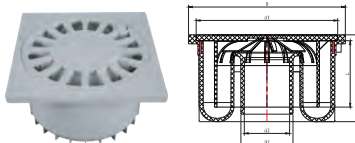
Nom Size	D	D1	d1	L1	L2	H1	H2
110	186.5	118	110.6	50	269	124	205.3



ITEM NO:UDD062

PP UNIVERSAL FLOOR DRAIN,WITH SS COVER

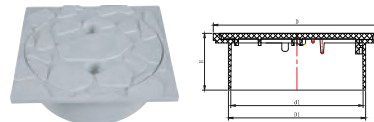
Nom Size	D	d	D1	d1	L1	H
110X75X50	128	121.2	45.5	41.5	12.5	60



ITEM NO:UDD060

PVC SINK FLOOR DRAIN-M

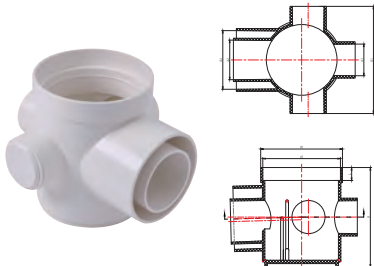
Nom Size	D	d1	D2	d2	L	H
110X75X50	150	135.4	49.72	43.28	63.5	83



ITEM NO:UDD059

PVC FLOOR DRAIN COVER-M

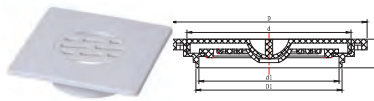
Nom Size	D	D1	d1	H
110	140	114.6	110.6	47.5



ITEM NO:UDD058

NEW JIS FLOOR DRAIN (with three plugs)

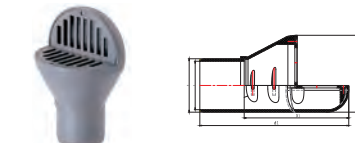
Nom Size	D1	d1	D2	d2	d3	L	H	H1
4"X3"X2"	120	114	89.45	60.35	48.3	19	146	163.5



ITEM NO:UDD010-3

DRAIN COVER(JIS)

Nom Size	D	d	D1	d1	H
15X15	147.5	123.5	110	105.5	21.5



ITEM NO:UDD057

ROOF FLOOR DRAIN

Nom Size	D	d	D1	d1	H
110	110	100	215.5	307	158.47



ITEM NO:UDD039-1

ROOF DRAIN,LIGHT TYP

Nom Size	D	d	D1	d1	H
110	117	110.6	270	50.5	145.93

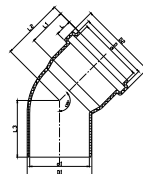


PVC DRAINAGE
FITTINGS WITH GASKET
(EN1401)

DRAINAGE



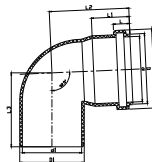
EN1401 EN1329 PVC DRAINAGE FITTINGS WITH GASKET



ITEM NO:UDRN001

45° ELBOW M/F

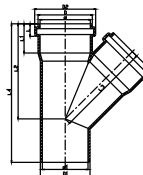
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3
40mm	40.5	36	44.5	40	54	17.43	36.28	55	42.2
50mm	50.5	44	56.5	50	66	18.4	36.5	58.61	53.35
75mm	76	69	82	75	92	18.9	44	72.16	65.53
110mm	111	103	118	110	128.2	24	66	109.78	109.78
160mm	161	152.8	168.2	160	180.8	26.48	66	113.94	116.14
200mm	201.6	191.6	210	200	225.4	33.16	82	145.95	145.95



ITEM NO:UDRN002

90° ELBOW M/F

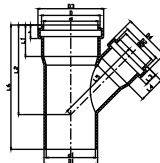
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3
40mm	40.5	36	44.5	40	54	17.43	36.28	62.87	60
50mm	50.5	44	56.5	50	66	18.4	36.5	72.19	66.93
75mm	76	69	82	75	92	18.9	44	92.53	85.9
110mm	111	103	118	110	128.2	24	71.78	144.4	136.56
160mm	161	152.8	168.2	160	180.8	26.48	66	157.22	159.59
200mm	201.6	191.6	210	200	225.4	33.16	82	197.93	200.64



ITEM NO:UDRN003

SKEW TEE M/F

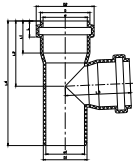
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
50mmX50mm	50.5	44	56.5	50	66	18.4	36.5	105.12	105.12	159
75mmX75mm	76	69	82	75	92	18.9	44	143.4	143.4	209
110mmX110mm	111	103	118	110	128.2	24	72.5	215.44	215.44	318.5
160mmX160mm	161	152.8	168.2	160	180.8	26.48	66	269.54	269.54	386
200mm		191.6	210	200	225.4	33.16	82	342.01	342.01	488.5



ITEM NO:UDRN004

REDUCING SKEW TEE M/F

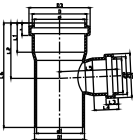
Nom Size	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
75mmX50mm	76	69	50.5	82	75	56.5	92	66	18.9	44	125.37	18.4	43	123.15	174
110mmX50mm	111	103.6	50.5	117.4	110	56.5	127.6	66	21.09	51	150.1	18.4	43	148.19	194
110mmX75mm	111	103.6	76	117.4	110	82	127.6	92	21.09	51	168.17	18.9	44	168.44	230
160mmX110mm	161	152.8	111	168.2	160	117.4	180.8	127.6	26.48	66	233.62	21.09	51	229.09	315
110mmX40mm	111	103.6	40.5	117.4	110	44.5	127.6	54	21.27	51	141.62	17.43	36	141.44	178
200mmX110mm	191.6	201.6	111.4	200	210	117.8	225.4	127.6	33.33	82	280	362	21.09	51.45	270
200mmX160mm	191.6	201.6	161.4	200	210	168.6	225.4	180.8	33.33	82	320	438.5	26.48	66	310



ITEM NO:UDRN005

TEE M/F

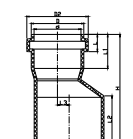
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
50mmX50mm	50.5	46	54.5	50	64	17.5	45.7	79	87.8	159
75mmX75mm	76	69	82	75	92	18.9	44	95.8	95.8	182
110mmX110mm	111	103	118	110	128.2	24	72.5	148.96	142.26	283
160mmX160mm	161	152.8	168.2	160	180.8	26.48	66	164.37	164.37	324
200mmX200mm	201.6	191.6	210	200	225.4	33.16	82	203	205.5	406



ITEM NO:UDRN006

REDUCING TEE M/F

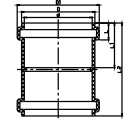
Nom Size	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
75mmX50mm	76	69	50.5	82	75	56.5	92	66	18.9	44	83.29	18.4	43	86.88	157
110mmX40mm	111	103.6	40.5	117.4	110	44.5	127.6	54	21.09	51	81.23	17.43	36.28	100	168
110mmX50mm	111	103.6	50.5	117.4	110	56.5	127.6	66	21.09	51	91.82	18.4	43	104.4	178
110mmX75mm	111	103.6	76	117.4	110	82	127.6	92	21.09	51	104.33	18.9	44	113.32	203
160mmX110mm	161	152.8	111	168.2	160	117.4	180.8	127.6	26.48	66	139.35	21.09	51	146.83	274
200mmX110mm	191.6	201.6	111.4	200	210	117.8	225.4	127.6	33.33	82	156	321	21.09	51.45	170
200mmX160mm	191.6	201.6	161.4	200	210	168.6	225.4	180.8	33.33	82	181	371	26.48	66.51	190



ITEM NO:UDRN007

REDUCING COUPLING M/F

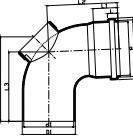
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	H
75mmX50mm	50.5	69	56.5	75	66	18.4	36.5	50	12.5	116
110mmX50mm	50.5	103.6	56.5	110	66	18.4	36.5	63	30	132
110mmX75mm	76	103.6	82	110	92	18.9	44	63	17.5	145
160mmX110mm	111	152.8	117.4	160	127.6	21.09	51	83	25	181
200mmX160mm	161.4	191.6	168.6	200	180.8	26.7	66	105.2	19.7	224



ITEM NO:UDRN008

COUPLING

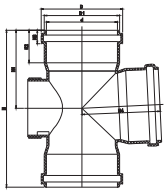
Nom Size	d	D	D1	L	L1	L2
50mm	50.5	56.5	66	18.4	43	90
75mm	76	82	92	18.9	50	104
110mm	111	118	128.2	24	78.3	160.6
160mm	161	168.2	180.8	26.48	83	172
200mm	201.6	210	225.4	33.16	100	208



ITEM NO:UDRN009

INSPECTION ELBOW M/F

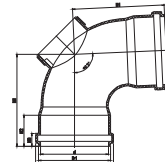
Nom Size	d	d1	D	D1	D2	L	L1	L2	L3	L4
110mm	111	103.6	117.4	110	127.6	21.38	51	146	143.84	175



ITEM NO:UDRN010

DOOR TEE WITH RUBBER

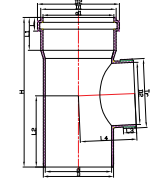
Nom Size	D	D1	d	H	H1	H2	H3	H4
110	127.6	117.4	111	245	122	51	21.1	121.9



ITEM NO:UDRN011

DOOR ELBOW WITH RUBBER

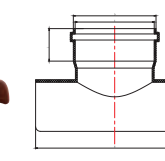
Nom Size	D	D1	d	H1	H2	H3
110	127.6	117.4	111	150	51	21.1



ITEM NO:UDRN014

INSPECTION PORT M/F

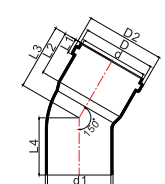
Nom Size	d	d1	d2	D	D1	D2	Tr	H	L	L1	L2	L3	L4
110	103.6	111	97	110	117.4	127.6	107.5	233	21.09	51	110.6	20	88
160	152.8	161	54.5	160	168.2	180.8	164	324	26.48	66	164.37	87.8	125



ITEM NO:UDRN015

90° SADDLE BRANCH

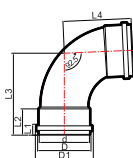
Nom Size	D	d	L	H
200X160	168.2	161	66	322



ITEM NO:UDR012

30° ELBOW WITH SINGLE SOCKET RUBBER

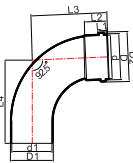
Nom Size	D2	D	d	D1	d1	L1	L2	L3	L4
110	128.2	118	111	110	103	24	72.51	107.03	92.83



ITEM NO:UDR013

90° SWEEP WITH DOUBLE SOCKET RUBBER

Nom Size	D1	D	d	L1	L2	L3	L4
110	128.2	118	111	24	58	180.94	150.74



ITEM NO:UDR014

90° SWEEP WITH SINGLE SOCKET RUBBER

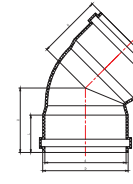
Nom Size	D2	D	d	D1	d1	L1	L2	L3	L4
110	128.2	118	111	110	103	24	58	194.93	213



ITEM NO:UDR015

TEE WITH 3 SOCKET RUBBER

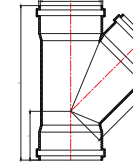
Nom Size	D1	D	d	L1	L2	L3	L4	L
110	128.2	118	111	24	72.51	144	169	305



ITEM NO:UDRN016

45° ELBOW WITH TWO RUBBER RINGS

Nom Size	D	d	L	H
110X45	116.8	111	51	88



ITEM NO:UDRN017

SKEW TEE WITH THREE RUBBER RINGS

Nom Size	D	d	L	L2	H
110	116.8	111	89	193	282



PVC PIPES & FITTINGS
FOR DRAINAGE

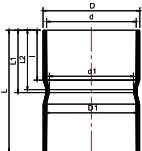
(ISO 3633)

DRAINAGE



ISO3633

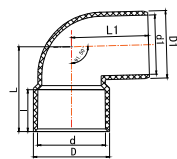
PVC DRAINAGE FITTINGS



ITEM NO:UDLC01

COUPLING

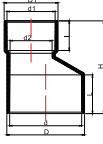
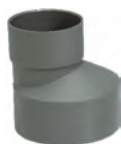
Nom Size	D	d	D1	d1	L	L1	L2	L
50	56.4	50	53.4	46	31.5	40.9	38.9	79.7
75	81.5	75	77	70.8	42	52.5	50	102.5
80	85	80	/	77.0	42.5	/	45.5	88
110	117.2	110	110.9	104.6	54.5	66	64	130
160	168.6	160	162	154	85	108	94	202
63	69.6	63	60	38	41	79	/	/
100	106.6	100	97	48	51	99	/	/



ITEM NO: UDLE04

90° ELBOW M/F

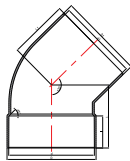
Nom Size	d	D	L	d1	D1	L	L1
32	32	37	22	27	32	39	43.5
40	40	45	27	35	40	49	52
50	50	56.4	31	44	50	62.8	57.2
63	63	69.5	38	57	63	86.2	81.6
75	75	81.4	40	69	75	90.6	92.3
80	80	84.9	42.5	74	80	97.5	96
90	90	96.7	46.5	83.6	90	104	104
100	100	106.6	48	94	100	114.9	112.1
110	110	117.2	48	103.4	110	124.6	124.6
125	125	132.2	51.5	118.4	125	128	128
160	160	168.6	70	152	160	170.4	170.4
200	200	208.6	75	191	200	205	205



ITEM NO:UDLR02

REDUCING COUPLING

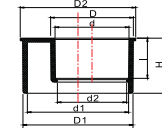
Nom Size	d	D	d1	D1	d2	L	I	H
63X50mm	63	69.5	50	56.4	44	38	31	89
75X50mm	75	81.4	50	56.4	44	40	31	97
80X40mm	80	86.5	40	45.3	32.9	42.5	27	99
100X50mm	100	106.6	50	56.4	47	48	31	107.4
100X63mm	100	106.6	63	69.5	60	48	38	107.8
100X80mm	100	106.6	80	84.9	74	42.5	48	108
110X40mm	110	117.2	40	45.3	36.8	48	27	123
110X50mm	110	117.2	50	56.4	47.2	48	31	125
110X75mm	110	117.2	75	81.4	69	48	40.5	121
110X80mm	110	84.9	80.5	110	103.4	42.5	48.5	120
160X100mm								



ITEM NO:UDLE02

45° ELBOW M/F

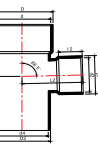
Nom Size	D	d	D1	d1	l	L	L1
32	37	32	32	27	22	20	32.1
40	45	40	40	35	27	24.5	37
50	56.4	50	50	44	31	49.4	48.7
63	69.5	63	63	57	38	60	58
75	81.4	75	75	69	40	70.5	70.5
80	84.9	80	80	74	42.5	75.1	73.6
100	106.6	100	100	94	48	85.7	80.7
110	117.2	110	110	103.4	48	82.3	81.3
160	168.6	160	160	152	70	112	113.1
200	208.6	200	200	191	75	147.5	138.7



ITEM NO:UDLR01

REDUCING BUSH

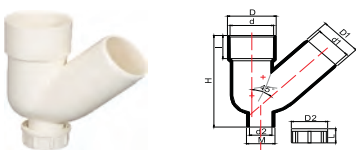
Nom Size	d	D	d1	D1	d2	D2	L	H
40X32mm	32	36.4	36	40	28.3	47	23	28.5
50X40mm	34	43.9	55.8	40.3		49.9	27	32
63X40mm	40	45.8	56.9	63	36	69	27	39.5
75X50mm	50	56.4	69	75	47.2	78.7	25	42.5
80X50mm	50	56.4	73.9	80	47.2	86	31	44
80X63mm	63	69.5	73.9	80	59	86	38	44
90x63mm	63.49	69.5	93.9	99.9	61	38	48	50
100X40mm	40	46.3	94	100	34	107	27	50
100X50mm	50	50.4	107	93.9		99.9	31	48
100X63mm	50	63.5	107	93.9		99.9	38	48
100X80mm	80	86.4	94	100	74	107	42.5	50
110X50mm	50	56.4	103.4	110	47.2	113.9	25	50.5
110X75mm	75	81.8	103.4	110	72.2	113.7	40	50.5
110X80mm	80	86.3	103.4	110	74	117	42.5	50.5
125X110mm	110	117	118.3	125	103.4	132	48.5	53.5
160X110mm	110	117.9	152	160	105.9	165	48	72.2
160X125mm	125	132	152	160	118.4	169	51.5	72
200X110mm	110	117.2	191.9	200	103.4	207	48	76



ITEM NO:UDLT01

REDUCING TEE M/F

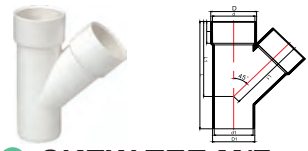
Nom Size	D	d	D1	d1	D2	d2	I1	I2	L1	L2	L
75X50	81.4	75	56.4	50	75	69	40	31	76.5	79.8	156
110X50	117.2	110	56.4	50	110	103.4	48	31	92.1	96.7	191
110X75	117.2	110	81.4	75	110	103.4	48	40.5	94.9	103.9	195



ITEM NO:UDLS02

SINGLE SOCKET TRAP (WITH PORT)

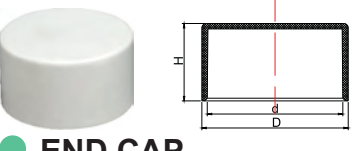
Nom Size	d	D	d1	D1	I	H	d2	M	D2	L
50mm	50	56.4	44	50	31	123	26	M33x2	42	19



ITEM NO:UDLT03

SKIEW TEE M/F

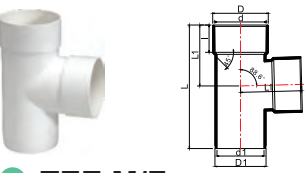
Nom Size	D	d	D1	d1	I	L1	L
40	45.3	40	40	34	27	79	120
50	56.4	50	50	44	31	105.6	135
63	69.6	63	63	57	38	122	199.2
75	81.5	75	75	69	40	139.2	191
80	84.9	80	80	74	42.5	146	222
100	106.6	100	100	94	48	182	272
110	117.2	100	110	103.4	48	202.2	273.5
125	132.2	125	125	118.4	51.5	209	302
160	168.6	160	160	152	70	269	393
200	208.6	200	200	191.2	74	326	481



ITEM NO:UDLS01

END CAP

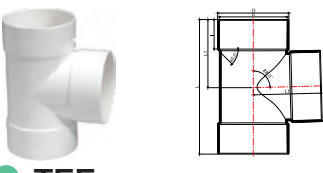
Nom Size	d	D	H
40mm	40.27	45	30
50mm	50	56.4	34
75mm	75	81.4	43
110mm	110	117.2	51.8
160mm	160	168.7	74
200mm	200.6	208.6	78.5



ITEM NO:UDLT06

TEE M/F

Nom Size	D	d	D1	d1	I	L1	L
50	56.4	50	50	44	31	61.5	123.5
63	69.6	63	63	57	38	78.5	157
75	81.5	75	75	69	40	89.7	181
40	45.3	40	40	34	27	49.2	105
80	84.9	80	80	74	42.5	91	187
90	96.7	90	90	83.6	46.5	107	210.5
100	106.6	100	100	94	48	121.1	237
110	117.2	110	110	103.4	48	113.1	222
125	132.2	125	125	118.4	51.5	138	265
160	168.6	160	160	152	70	161.1	325
200	208.6	200	200	191.2	74	206	415



ITEM NO:UDLT04

TEE

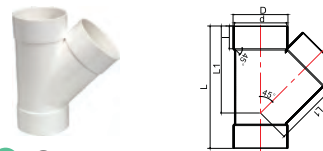
Nom Size	D	d	I	L1	L
32	37	32	22	41.3	82.6
40	45	40	27	49.2	99.2
63	69.6	63.6	38	82.5	160
75	81.5	75.4	40	90	180
90	96.7	90.5	46.5	105	210
100	107	100.6	48	112	224
110	117.2	110.6	48.5	117	234
160	168.6	160	70	161.1	318



ITEM NO:UDLE01

90° ELBOW

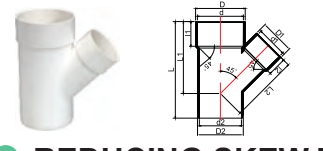
Nom Size	D	d	I	L
32	37	32	22	41.5
40	45	40	27	52.5
75	81.5	75.4	40	87
80	86.5	80	45	110
90	96.7	90.5	46.5	102
100	106.6	100	48	115
110	117.2	110	48	124.6
160	168.6	160	70	170.4



ITEM NO:UDLT05

SKIEW TEE

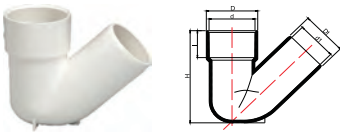
Nom Size	D	d	I	L1	L
32	37	32	22	66.47	97.5
40	45	40	27	75.54	112.5
100	107	100.6	48	182	262
160	168.6	160	70	267.3	376



ITEM NO:UDLT07

REDUCING SKIEW TEE M/F

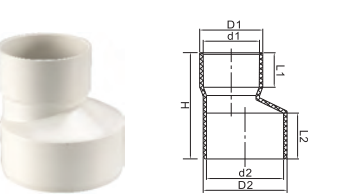
Nom Size	D	d	D1	d1	D2	d2	I1	I2	L1	L2	L
75X50	81.4	75	56.4	50	75	69	40	31	118	112	158.4
80X40	86.5	80	45.3	40	80	74	42.5	27	126	111.73	171
80X50	86.5	80	56.4	50	80	74	42.5	31	123	116	173
110X40	117.2	110	45.3	40	110	103.4	48	27	147.8	140	183
110X50	117.2	110	56.4	50	110	103.4	48	31	156	150.7	191
110X75	117.2	110	81.4	75	110	103.4	48	40	173	170	225.5
160X110	168.6	160	117.2	110	160	152	70	48	235.3	223.3	316



ITEM NO:UDLS03

SINGLE SOCKET TRAP (NO PORT)

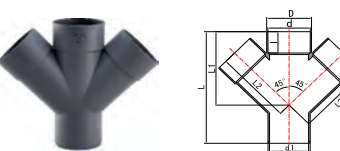
Nom Size	d	D	H	I	d1	D1
50mm	50	56.4	106	31	44	50
75mm	75	81.4	161	40	69	75
110mm	110	117.2	218	48	103.4	110



ITEM NO:UDLT08

REDUCING COUPLING M/F

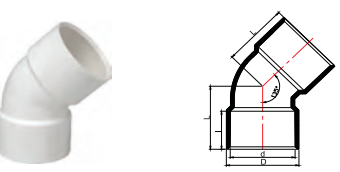
Nom Size	d1	d2	D1	D2	L1	L2	H
75X50	50.3	69	56.3	75	32.2	43	99.5
110X50	50.3	103.4	56.3	110	32.2	48.5	124
110X75	75.3	103.4	81.3	110	40.5	48.5	119.5



ITEM NO:UDLT10

CROSS TEE M/F

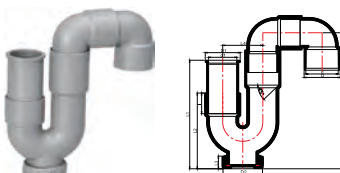
Nom Size	D	d	D1	d1	I	L1	L2	L
80	84.9	80	80	74	42.5	146	146.3	222
110	117.2	110	110	103.4	48.5	191	191	278



ITEM NO:UDLE03

45° ELBOW

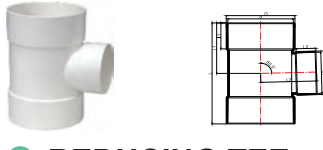
Nom Size	D	d	I	L
32	37	32	22	32
40	45	40	27	39.3
50	56.4	50	31	51.4
80	84.9	80	45	69.7
100	106.6	100	48	73



ITEM NO:UDTS01

II S-TRAP

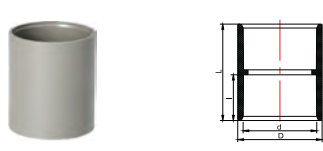
Nom Size	D	d	D1	d1	D2	I	L1	L2	L3	L4	L
32	37	32	38.1	26.2	49.2	22	122.2	90.7	16.5	43	160.2
40	45	40	43.6	35.3	49.2	27	141.9	99	16.5	50	177.9



ITEM NO:UDLT02

REDUCING TEE

Nom Size	D	d	D1	d1	I1	I2	L1	L2	L
110X63	117.2	110.6	69.6	63.6	48.5	38	94	103.5	186
160X110	168.6	160	117.2	110.6	70	48	135.9	137.3	271.9



ITEM NO:UDTC01

COUPLING

Nom Size	D	d	I	L
32	37	32	22	46.4
40	45	40	27	56.4



ITEM NO:UDLT09

END CAP M

Nom Size	d1	D1	D	H1	H2
50mm	43.4	50	63	31	36
75mm	68.4	75	88	40.5	46.3
80mm	74	80	90	41.5	47
110mm	103.4	110	124.2	48.5	54.2
160mm	152	159.9	175	70.5	77



ITEM NO:UDTC02

CLEAN OUT

Nom Size	D	d	H
40	40	34	49.5
63	63	57	62
125	125	118.4	80
200	200	191.2	111.5



ITEM NO:UDLT11

REDUCING SKIEW TEE

Nom Size	D	d	D1	d1	I1	I2	L1	L2	L
75X63	81.5	75.4	69.6	63.6	40	38	138	138	190
90X40	96.7	90.5	45	40.3	46.5	31	143	135	185
90X50	96.7	90.5	56.4	50.4	46.5	31	143	135	185
75X63	96.7	90.5	69.6	63.6	46.5	38	153	150	204
110X63	117.2	110.6	69.6	63.6	48.5	38	165	162.5	209



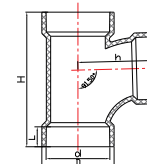
PVC DWV FITTINGS

(ASTM D2665)

DRAINAGE



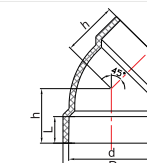
ASTM D2665



ITEM NO:UDA001

TEE

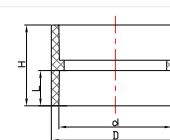
Nom Size	D	d	L	H	h
1 1/2"	56.76	48.26	17.6	109.3	63.2
2"	68.83	60.33	19.2	130	75
3"	100.73	88.9	38.2	199.8	115
4"	127.7	114.3	44.6	247	139.5
6"	183.28	168.8	76.5	380	205



ITEM NO:UDA003

45° ELBOW

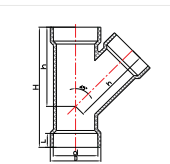
Nom Size	D	d	L	H
1 1/2"	56.76	48.26	17.6	35.3
2"	68.83	60.33	19.2	39.4
3"	100.73	88.9	38.2	66.57
4"	127.7	114.3	44.6	79.35
6"	183.28	168.8	76.5	125



ITEM NO:UDA005

COUPLING

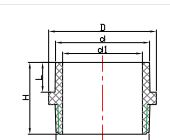
Nom Size	D	d	L	H
1 1/2"	56.76	48.26	17.6	40
2"	68.83	60.33	19.2	44
3"	100.73	88.9	38.2	82.6
4"	127.7	114.3	44.6	95.8
6"	183.28	168.8	76.5	159



ITEM NO:UDA002

Y TEE

Nom Size	D	d	L	H	h
1 1/2"	56.76	48.26	17.6	138.8	90.8
2"	68.83	60.33	19.2	165.8	109.3
3"	100.73	88.9	38.2	241	165.2
4"	127.7	114.3	44.6	298.4	205.4
6"	183.28	168.8	76.5	443	306

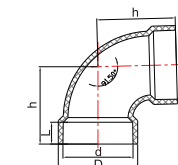


ITEM NO:UDA007

MALE ADAPTOR SPG x MIPT

Nom Size	D	d	d1	L	H	NPT
1 1/2"	56.76	48.26	39.99	17.7	42.3	1 1/2"
2"	68.83	60.33	52.05	19.3	46.5	2"
3"	100.73	88.9	77.38	38.3	78	3"
4"	127.7	114.3	101.2	44.7	87.4	4"

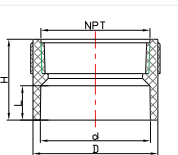
PVC DWV FITTINGS



ITEM NO:UDA004

90° ELBOW

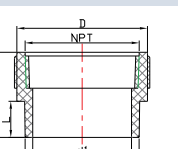
Nom Size	D	d	L	H
1 1/2"	56.76	48.26	17.6	35.3
2"	68.83	60.33	19.2	39.4
3"	100.73	88.9	38.2	66.57
4"	127.7	114.3	44.6	79.35
6"	183.28	168.8	76.5	205



ITEM NO:UDA006

FEMALE ADAPTOR SLIP x FIPT

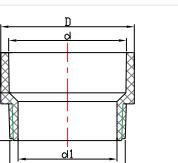
Nom Size	D	d	L	H	NPT
1 1/2"	56.76	48.26	17.6	42.3	1 1/2"
2"	68.83	60.33	19.2	45.2	2"
3"	100.73	88.9	38.2	76.4	3"
4"	127.7	114.3	44.6	85.2	4"



ITEM NO:UDA009

FEMALE ADAPTOR SPG x FIPT

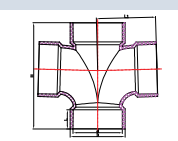
Nom Size	D	d	d1	L	H	NPT
1 1/2"	56.76	48.26	39.99	17.7	41.5	1 1/2"
2"	68.83	60.33	52.05	19.3	45.5	2"
3"	100.73	88.9	77.38	38.3	73.5	3"
4"	127.7	114.3	101.2	44.7	82.8	4"
6"	247.2	168	156	75	120	6"



ITEM NO:UDA008

MALE ADAPTOR SLIP x MIPT

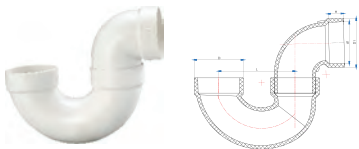
Nom Size	D	d	d1	L	H	NPT
1 1/2"	56.76	48.26	39.99	17.6	40.5	1 1/2"
2"	68.83	60.33	51	19.2	46	2"
3"	100.73	88.9	77.38	38.2	80	3"
4"	127.7	114.3	101.2	44.6	87.8	4"



ITEM NO: UDA019

PLANE CROSS

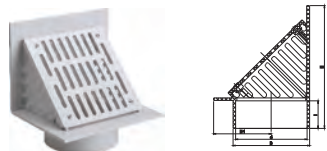
Nom Size	D	d	H	L	L1
4"	127.7	114.8	247	44.6	137.7



ITEM NO:DSCH003

S-TRAP

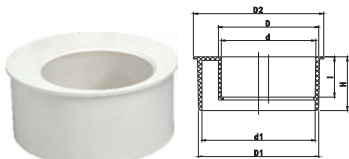
Nom Size	D	D1	d1	H	L
1 1/2"	56.76	56.76	48.64	17.6	88.5
2"	66.2	69	60.6	19.6	107.8



ITEM NO:UDA010

RAIN WATER OUTLET ASTM D2665

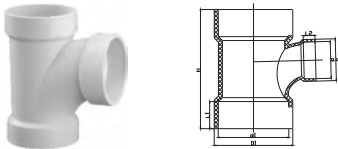
Nom Size	D	d	H1	H	I
4"X3"	122.8	114.8	92.6	199	44.6



ITEM NO:UDA011

REDUCING BUSH

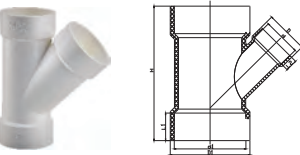
Nom Size	D1	d1	D	d	D2	I	H
4"X2"	114.1		104.1	60.71	122.8	44.6	51.1
4"X3"	114.1	107.5	95.4	89.4	122.8	38.2	51
6"X4"	168	154	127.69	114.79	178	44.1	83.5



ITEM NO:UDA012

REDUCING TEE

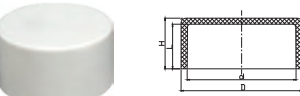
Nom Size	D1	d1	D	d	L1	L2	H
4"X2"	127.7	114.8	68.83	60.71	44.6	19.2	196



ITEM NO:UDA013

REDUCING Y TEE

Nom Size	D1	d1	D	d	L1	L2	H
4"X2"	127.7	114.8	68.83	60.71	44.6	19.2	218



ITEM NO:UDA014

END CAP

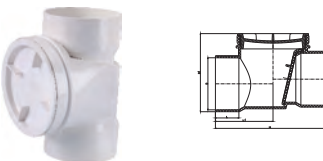
Nom Size	D	d	L	H
4"	127.7	114.8	47.6	54.05



ITEM NO:UDA015

VENT CAP

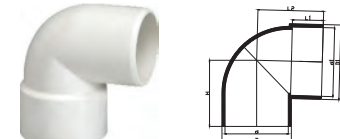
Nom Size	D	d	L	H	d1
2"	67.8	60.71	19.2	72	29
3"	96.4	89.41	38.2	93.9	45
4"	120.8	114.8	32.5	102	84



ITEM NO: UDA016

NON-RETURN VALVE

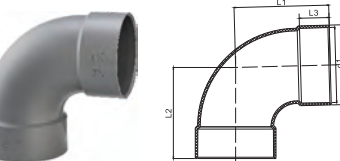
Nom Size	D	H	L	L1	D1
6"	168.8	349	75.17	184.5	253.2



ITEM NO: UDA017

90° ELBOW M/F

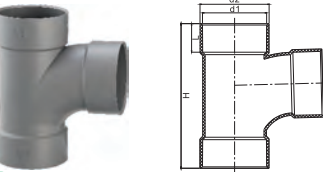
Nom Size	D	d	D1	d1	L1	L2	H
4"	114.5	104.5	125	114.83	51	108.5	110.5



ITEM NO:DSCH002

90° ELBOW

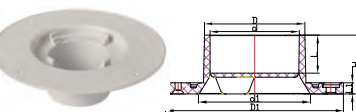
Nom Size	d1	d2	L1	L2	L3
2"	60.7	67.7	63.3	63.3	19.5
3"	89.4	96.4	118.6	118.6	40.3
4"	114.8	122	143	143	45



ITEM NO:DSCH001

TEE

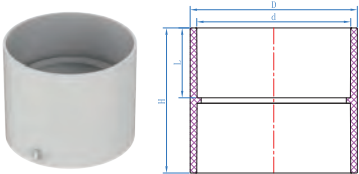
Nom Size	d1	d2	L	H
3"	89.4	96.4	40.3	204



ITEM NO: UDA018

TOILET FLANGE

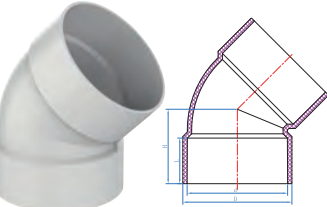
Nom Size	D	d	D1	d1	L	L1	H
4"X3"	100.75	89.4	178	112	38.2	11.5	59



ITEM NO:UDAL005

COUPLING 1-1/2"

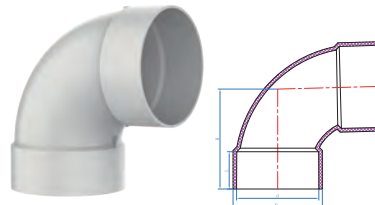
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	40
2"	66.3	60.71	19.2	44
3"	95.21	89.41	38.2	82.6
4"	120.8	114.8	44.6	95.8



ITEM NO:UDAL003

45° ELBOW 1-1/2"

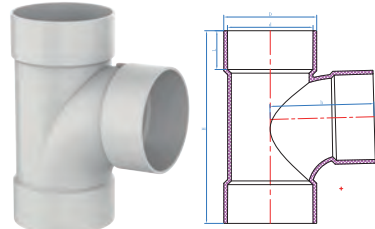
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	33.3
2"	66.3	60.71	19.2	39.4
3"	95.21	89.41	38.2	66.57
4"	120.8	114.8	44.6	79.35



ITEM NO:UDAL004

90° ELBOW 1-1/2"

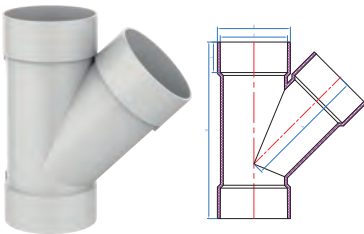
Nom Size	D	d	L	H
1-1/2"	52.9	48.64	17.6	57
2"	66.3	60.71	19.2	68
3"	95.21	89.41	38.2	106
4"	120.8	114.8	44.6	128



ITEM NO:UDAL001

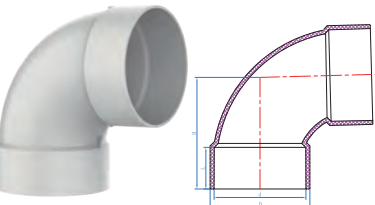
TEE 1-1/2"

Nom Size	D	d	L	H	h
1-1/2"	52.9	48.64	17.6	104	57
2"	66.3	60.71	19.2	125	68
3"	95.21	89.41	38.2	196	106
4"	120.8	114.8	44.6	238	128



Y TEE 1-1/2"

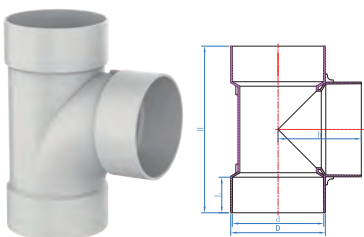
Nom Size	D	d	L	H	h
1-1/2"	52.9	48.64	17.6	112.6	82.06
2"	66.3	60.71	19.2	135.5	100.05
3"	95.21	89.41	38.2	241.5	153.97
4"	120.8	114.8	44.6	264.2	191.31



ITEM NO:UDAL006

VENT 90° ELBOW

Nom Size	D	d	L	H
3"	93.01	89.41	38.2	85.4
4"	118.8	114.8	44.6	104.5



ITEM NO:

VENT TEE

Nom Size	D	d	L	H	h
3"	93.01	89.41	38.2	170.8	85.4
4"	118.8	114.8	44.6	209	104.5



PVC DWV FITTINGS

(AS/NZS1260)

DRAINAGE



AS/NZS1260

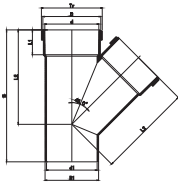
PVC DWV FITTINGS



ITEM NO: AUD001

PIPES

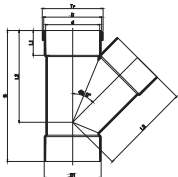
Size Nom	Outer Dia	Wall Thickness	Pressure
40	40	2.00	SN6
50	50	2.20	SN6
65	65	2.70	SN6
80	80	2.90	SN6
100	100	2.50	SN4
100	100	3.00	SN6
150	150	4.00	SN4
150	150	5.00	SN8



ITEM NO: AUDT02

45° JUNCTION THREAD M/F

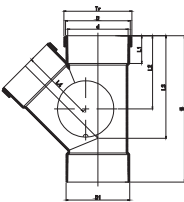
Nom Size	D	d	D1	d1	Tr	L1	L2	H
100	119	110.9	110	103.8	125	50.5	193	270



ITEM NO: AUDT03

45° JUNCTION F/F

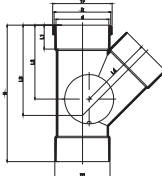
Nom Size	D	d	D1	Tr	L1	L2	H
100	119	110.9	116.7	125	50.5	188	268



ITEM NO: AUDT04

45° SIDE ACCESS JUNCTION LEFT F/F

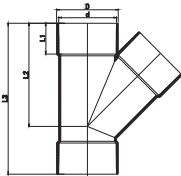
Nom Size	D	d	D1	Tr	L1	L2	L3	L4	H
100	119	110.9	116.7	125	50.5	156	190	156	287.5



ITEM NO: AUDT05

45° SIDE ACCESS JUNCTION RIGHT F/F

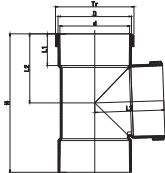
Nom Size	D	d	D1	Tr	L1	L2	L3	L4	H
100	119	110.9	116.7	125	50.5	134	188	134	268



ITEM NO: AUDT06

45° JUNCTION F/F

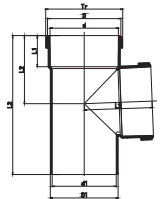
Nom Size	D	d	L1	L2	L3
32	40.8	36.8	24.5	71	105
40	47.8	43.4	44.5	81.6	126
50	61.1	56.3	30.5	101.5	146
65	74.6	69.4	38.5	124.2	180
80	88.8	83.2	44.5	149	217.5
100	116.7	110.9	50.5	188	268



ITEM NO: AUDI01

INSPECTION TEST OPENING F/F

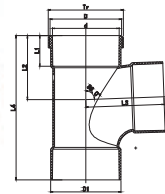
Nom Size	D	d	Tr	L1	L2	H
100	116.7	110.9	125	50.5	110	220



ITEM NO: AUDI02

INSPECTION TEST OPENING M/F

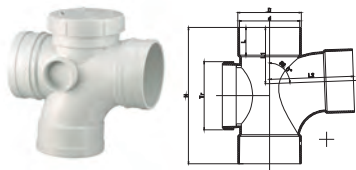
Nom Size	D	d	Tr	L1	L2	L3	D1	d1
100	119	110.9	125	50.5	110	225	110	103.8



ITEM NO: AUDT08

88° PLAIN JUNCTION F/F

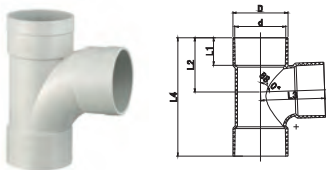
Nom Size	D	d	Tr	L1	L2	L3	L4	D1
100	119	110.9	125	50.5	106	130	239	116.7



ITEM NO: AUDT07

88° SIDE ACCESS JUNCTION F/F

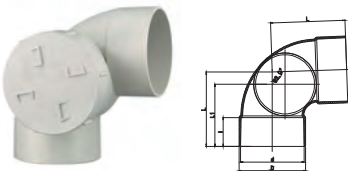
Nom Size	D	d	Tr	L1	L2	L	H
100	116.7	110.9	125	102.8	154.5	50.5	250.3



ITEM NO: AUDT01

88° JUNCTION F/F

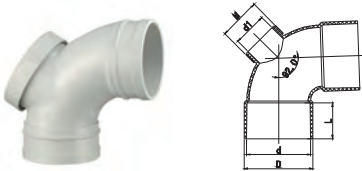
Nom Size	D	d	L1	L2	L3	L4
32	40.8	36.8	24.5	48	48	96
40	47.8	43.4	27.5	50	60	110
50	61.1	56.3	30.5	60	71	131
65	74.6	69.4	38.5	73	99	172
80	88.8	83.2	44.5	84.5	116.5	201
100	116.7	110.9	50.5	102.8	154.5	250.3



ITEM NO: AUDE04

88° BEND SIDE ACCESS F/F

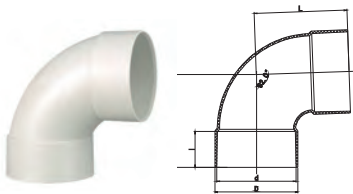
Nom Size	D	d	L	I	L1
100	116.7	110.9	130	50.5	108.52



ITEM NO: AUDE02

88° BEND SIDE ACCESS F/F

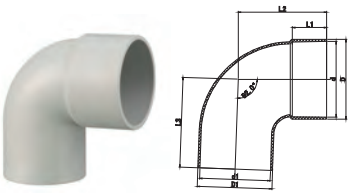
Nom Size	D	d	d1	L	M
40	47.8	43.4	25	27.5	33
50	61.1	56.3	37	30.5	45
65	74.6	69.4	36.6	38.5	45
100	116.7	110.9	112	50.5	125



ITEM NO: AUDE01

88° BEND F/F

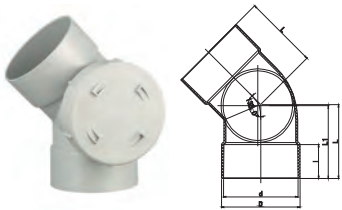
Nom Size	D	d	L	I
32	40.8	36.8	48	24.5
40	47.8	43.4	60	27.5
50	61.6	56.3	71	30.5
65	74.6	69.4	99	38.5
80	88.8	83.2	103	44.5
100	116.7	110.9	130	50.5
150	172.5	160.9	225.3	77



ITEM NO: AUDE010

88° BEND M/F

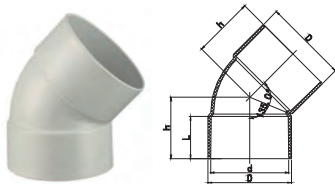
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	52	52	43	38.2
50	61.1	56.3	30.5	62	64	56	51
65	74.6	69.4	38.5	88	97	69	63.6
100	116.7	110.9	50.5	130	132	110	103.8



ITEM NO: AUDE05

45° BEND SIDE ACCESS F/F

Nom Size	D	d	L	I	L1
100	116.7	110.9	110	50.5	108.26



ITEM NO: AUDE03

45° BEND F/F

Nom Size	D	d	L	h
32	40.8	36.8	24.5	33.3
40	47.8	43.4	27.5	39
50	61.1	56.3	30.5	45
65	74.6	69.4	38.5	56
80	88.8	83.2	44.5	65
100	116.7	110.9	50.5	77
150	168.5	160.9	77	136



ITEM NO: AUDE06

45° BEND M/F

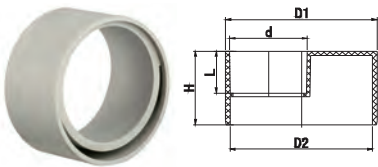
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	43	39	43	38.2
50	61.1	56.3	30.5	49	45	56	51
65	74.6	69.4	38.5	60	56	69	63.6
80	88.8	83.2	44.5	70	65	82.5	76.5
100	116.7	110.9	50.5	82	82	110	103.8



ITEM NO: AUDE021

42° BEND M/F

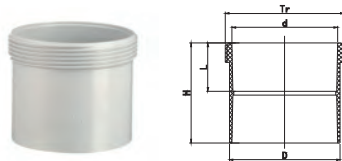
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	82	82	110	103.8



ITEM NO: AUDR01

SOCKET REDUCER

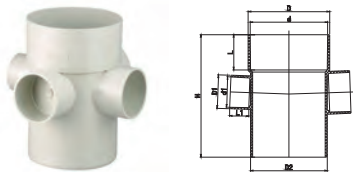
Nom Size	D1	D2	d	L	H
50X40	56	51	43.4	27.5	30.5
65X40	69	63.6	43.4	27.5	41.5
65X50	69	63.6	56.3	30.5	41.5
80X50	82.5	76.5	56.3	30.5	47
80X65	82.5	76.5	69.4	38.5	47
100X40	110	103.8	43.4	27.5	53.5
100X65	110	103.8	69.4	38.5	53.5
100X50	110	103.8	56.3	30.5	53.5
50X40	57.5	50.45	43.4	32	38.3
100X80	111	101.7	83.2	53.8	78.2



ITEM NO: AUDC01

ACCESS COUPLING

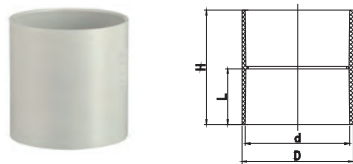
Nom Size	D	Tr	d	L	H
100	116.7	125	110.9	50.5	105
150	168.5	174	160.9	77	159.2



ITEM NO: AUD034

FOUR WAY RISER

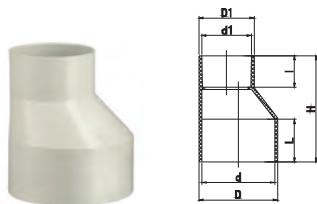
Nom Size	D	d	L	L1	H	D1	d1	D2
100X50X50X50X40	116.7	110.9	50.5	27.5	175	47.8	43.4	110
100X50X50X40X40	116.7	110.9	50.5	30.5	193.5	61.1	56.3	110
80X50X40X40X40	88.8	83.2	45.34	27.5	162	47.8	43.4	82.5



ITEM NO: AUDC02

COUPLING F/F

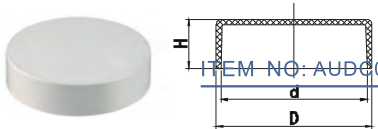
Nom Size	D	d	L	H
32	40.8	36.8	24.5	51.5
40	48.2	43.4	27.5	57
50	61.1	56.3	30.5	63
80	88.8	83.2	44.5	91
100	116.7	110.9	50.5	104



ITEM NO: AUDR02

LEVEL INVERT TAPER M/F

Nom Size	D	d	I	L	H	D1	d1
50X40	56	51	27.5	29.44	66	48.4	43.4
65X40	69	63.6	27.5	37.57	93	48.4	43.4
65X50	69	63.6	30.5	37.57	79	61.7	56.3
80X50	82.5	76.5	30.5	44.63	108	61.1	56.3
80X65	82.5	76.5	38.5	44.24	125	75.1	69.4
100X65	110	103.8	38.5	49.18	124	74.9	69.4
100X50	110	103.8	30.5	48.88	115.7	61.1	56.3
100X80	110	103.8	44.5	49.62	130	88.8	83.2
150X100	160	151.8	50.5	98.3	210	118.5	110.9

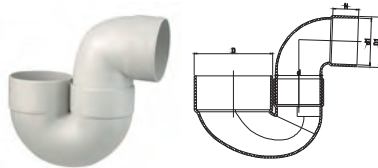


ITEM NO: AUDD01

ITEM NO: AUDW01

DUST CAP

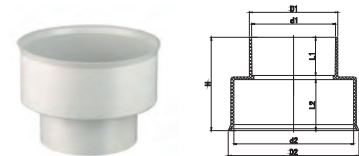
Nom Size	D	d	H
40	47.8	43.4	27.4
50	61.1	56.3	27.5
65	74.6	69.4	27.7
80	88.8	83.2	28
100	116.7	110.9	28.1
150	169.1	160.9	39.3



ITEM NO: AUDS01

FLOOR WASTE GULLY

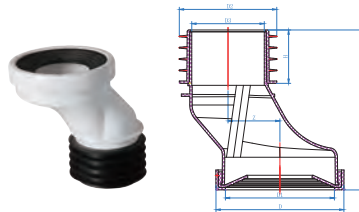
Nom Size	D	d	H	D1	d1
80X50	88.8	69.4	30.5	61.06	56.3
80X65	88.8	69.4	38.5	74.6	69.4
100X50	110.9	69.4	30.5	61.06	56.3
100X65	116.7	69.4	38.5	74.6	69.4
100X100	116.7	110.9	50.5	115	100



ITEM NO: AUD013

CERAMIC ADAPTOR

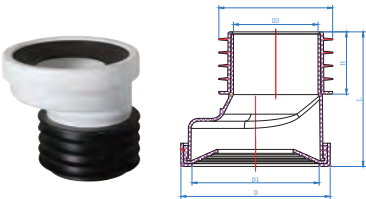
Nom Size	D1	d1	L1	L2	H	D2	d2
100	116.7	110.9	50.5	67	123	172.5	158.5



ITEM NO: AUDD03

PAN CONNECTORS 60MM OFFSET

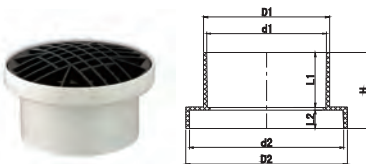
Size Nom	D	D1	D2	D3	H	L	Z
100	147	126	112.7	83.8	61.7	74.8	60



ITEM NO: AUDD05

PAN CONNECTORS 20MM OFFSET

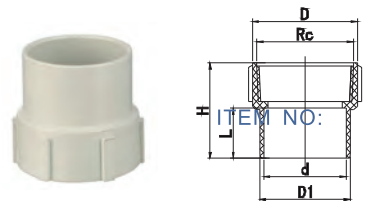
Size Nom	D	D1	D2	D3	H	L	Z
100	147	126	112.7	83.8	61.7	133.3	20



ITEM NO: AUDD01

FINISHING COLLAR AND GRATE

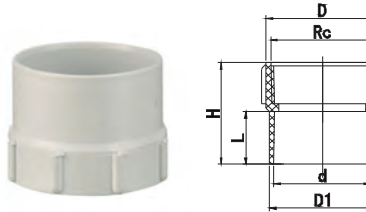
Nom Size	D1	d1	L1	L2	H	D2	d2
100	116.7	110.9	50.5	17	70	149.6	143.2



ITEM NO: AUD023

ADAPTOR FEMALE IRON

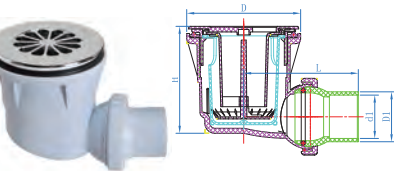
Nom Size	D	D1	Rc	d	H	L
40	53	43	G1 1/2	38.2	52.5	28
50	65	56	2"	51	59	31



ITEM NO: AUD030

CONNECTOR FEMALE IRON

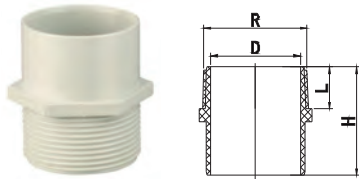
Nom Size	D	D1	Rc	d	H	L
40	53	47.8	1 1/2	43.4	50	27.5
50	65	61.1	2	56.3	59	30.5



ITEM NO:AUDD06

EASY CLEAN SHOWER WASTE

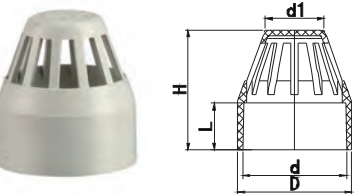
Size Nom	D1	d1	D	H	L
50	50	43.4	114.2	107.15	114.9



ITEM NO: AUD024

CONNECTOR MALE IRON

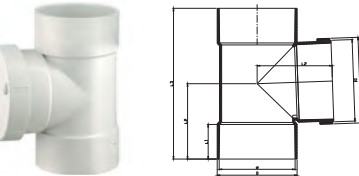
Nom Size	D	L	H	R
40	38.2	22.5	55	1 1/2
50	51	24	62	2



ITEM NO: AUD07

VENT COWL

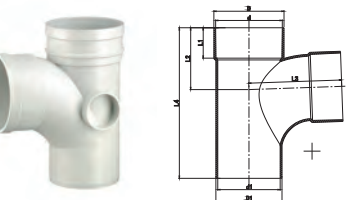
Nom Size	D	d	d1	L	H
50	62	56.3	32.05	25.2	65



ITEM NO: AUDI03

INSPECTION TEST OPENING WITH ONE SOCKET THREAD F/F

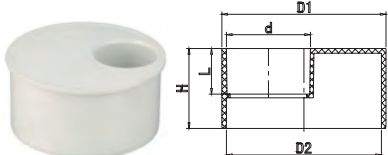
Nom Size	D	d	Tr	L1	L2	L3	D1
100	116.7	110.9	125	50.5	110	220	119



ITEM NO: AUDT09

88° JUNCTION M/F

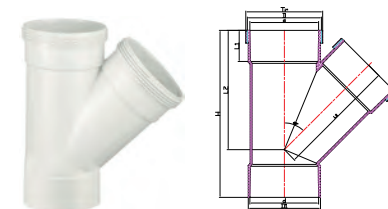
Nom Size	D	d	L1	L2	L3	L4	d1	D1
100	116.7	110.9	50.5	102.8	154.5	250.3	103.8	110



ITEM NO: AUDR03

PIPE REDUCER M/F

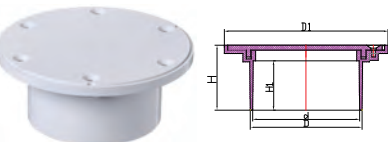
Nom Size	D1	D2	d	L	H
40X32	43.1	37.6	36.8	24.5	30.5
50X40	57.5	43.4	38.3	32	32
100X40	110	103.8	43.4	27.5	53.5
100X50	110	103.8	56.3	30.5	53.5
100X80	111	83.2	78.2	48.3	53.8



ITEM NO: AUDT010

JUNCTION THREAD F/F

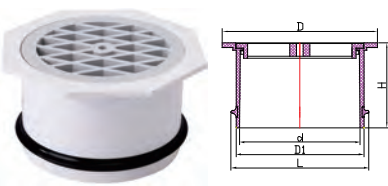
Nom Size	D	d	D1	H	Tr	L1	L2
100	119.6	110.9	116.7	270	124.2	50.5	193



ITEM NO: AUDF02

FLANGE

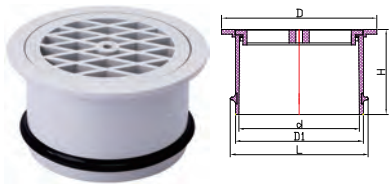
Nom Size	D	d	D1	H	H1
100	116.5	110.9	169.5	67.5	51



ITEM NO: AUDD02

DIAMOND FLOOR DRAIN

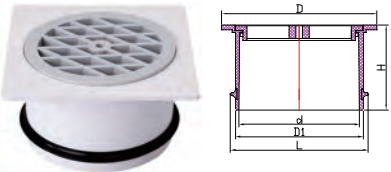
Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDD03

● ROUND FLOOR DRAIN

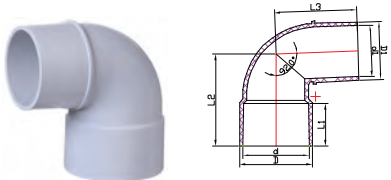
Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDD04

● SQUARE FLOOR DRAIN

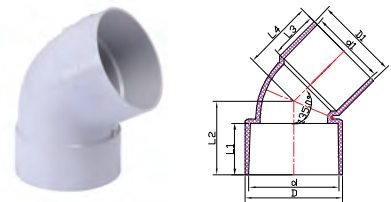
Nom Size	D	d	D1	H	L
100	117.5	91.5	97	64.5	104.5



ITEM NO: AUDE07

● 90° BEND M/F

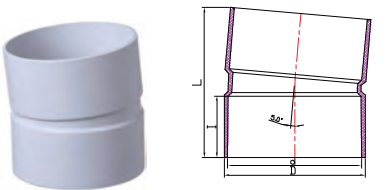
Nom Size	D	d	L1	L2	L3	D1	d1
40	47.8	43.4	27.5	60.09	54	37.9	33.5
50	61.1	56.3	30.5	68.27	64	50.2	44.2



ITEM NO: AUDE08

● 45° REDUCING BEND

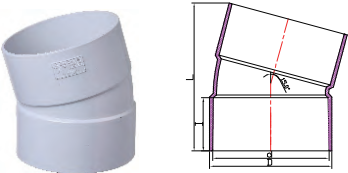
Nom Size	D	d	L1	L2	L3	L4	D1	d1
50X40	56	51.65	29.5	42.17	27.5	40.59	47.8	43.4



ITEM NO: AUDE09

● 5° BEND

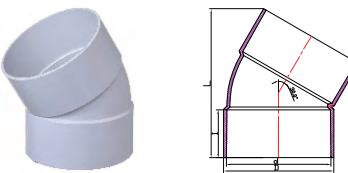
Nom Size	D	d	L	I
100	116.7	110.9	123.86	50.5



ITEM NO: AUDE011

● 15° BEND

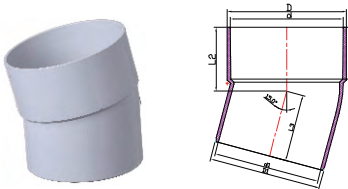
Nom Size	D	d	L	I
100	116.7	110.9	140.90	50.5



ITEM NO: AUDE012

● 30° BEND

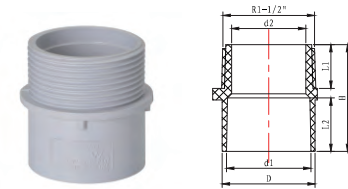
Nom Size	D	d	L	I
100	116.7	110.9	157.93	50.5



ITEM NO: AUDE013

● 15° BEND M/F

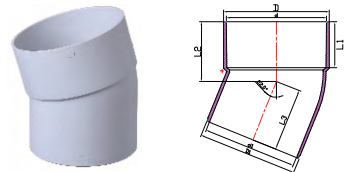
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	62.4	65.76	110	103.8



ITEM NO: AUD025

● ADAPTOR MALE IRON

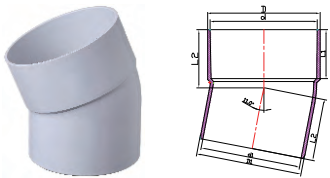
Nom Size	D	d1	d2	R	L1	L2	H
40	47.8	43.4	38.2	1½"	22.5	27.5	55
50	96.4	56.3	38.2	2"	24	27.5	59



ITEM NO: AUDE014

● 22° BEND M/F

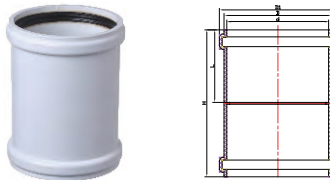
Nom Size	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	66	69.43	110	103.8



ITEM NO: AUDE015

● 11° BEND M/F

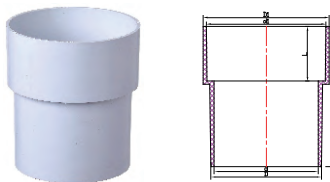
Nom	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	60	64.24	110	103.8



ITEM NO: AUDC03

● COUPLING WITH RUBBER

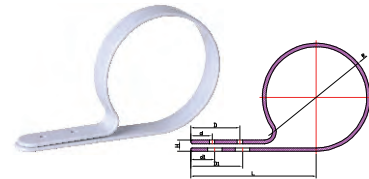
Nom Size	D	d	L	H	D1
100	117.3	111	78.9	160	127.4
150	169.2	161	116.5	236	181.8



ITEM NO: AUDR04

● REDUCING COUPLING M/F

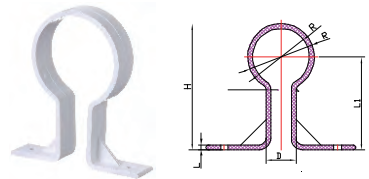
Nom Size	D	d	D1	d1	H	L
100	102.7	96.5	116.7	110.9	130	50.5



ITEM NO: AUDP01

● KEY CLIP

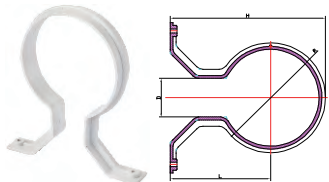
Nom Size	L	D	d	D1	d1	H	R
40	54		14.35		14.35	9.4	48.9
100	136.3	53.3	23.3	56.3	26.3	12	116.9



ITEM NO: AUDP02

● PLAS CLIP Ω

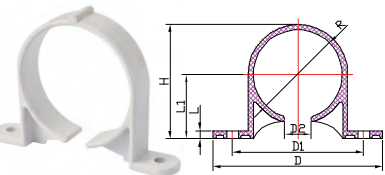
Nom Size	D	L	L1	H	R	R1
32	19.4	3.2	59.2	80.5	42.6	36.2



ITEM NO: AUDP03

● PIPE CLIP

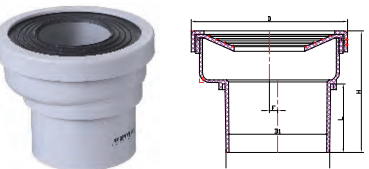
Nom Size	D	H	L	R
100	43.5	175.65	113.65	109.5



ITEM NO: AUDP 04

● PIPE CLIP SADDLE

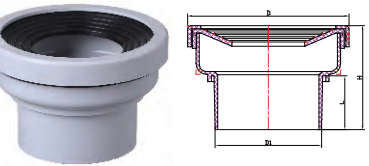
Nom Size	D	D1	D2	H	L	L1	R
40	81	62.3	12.6	54.5	4	30.75	42.5



ITEM NO: AUDIO 01

● OFF SET PAN COLLAR 20'

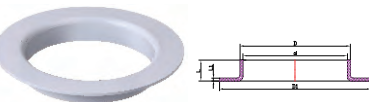
Nom Size	D	D1	L	H	F
100	155	102.69	68	120.7	8.3



ITEM NO: AUDIO 02

● OFF SET PAN COLLAR

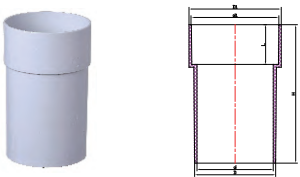
Nom Size	D	D1	L	H
100	155	102.69	52	100.2



ITEM NO: AUDW 04

● COVER PLANLE

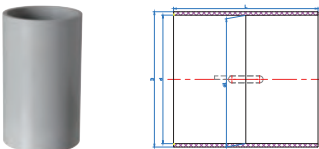
Nom Size	D	d	D1	L	L1
100	117.2	111	160.5	22	3.1



ITEM NO: AUDC 04

LONG COUPLING

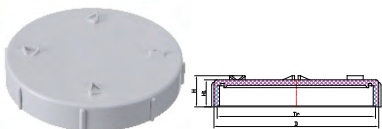
Nom Size	D	d	D1	d1	H	L
100	102.7	96.5	116.7	110.9	175	50.5



ITEM NO: AUDC07

SLIP COUPLING

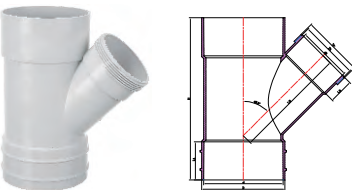
Nom Size	D	d	d1	L
100	117	111.1	110.8	125



ITEM NO: AUDW 03

THREADED CAP

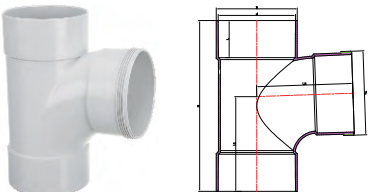
Nom Size	D	H	H1	Tr
100	182.5	34.5	30	175.5
150	169.1	39.3		160.9



ITEM NO: AUDT 011

REDUCING TEE

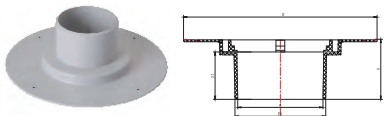
Nom Size	D	d	D1	d1	L1	L2	L3	L4	Tr
150X100	168.5	160.9	120	110.9	77	50.5	228.22	328	124



ITEM NO: AUDT 012

88° JUNCTION

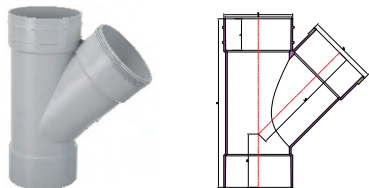
Nom Size	D	d	Tr	H	L	L1	L2
150	168.5	160.9	174.5	355	77	197	200



ITEM NO: AUDF03

TILE LEAK CONTROL FLANGE

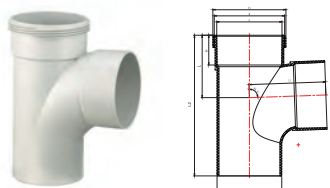
Nom Size	D	d	D1	H	H1
80	198	69.3	75.2	48.4	60.8
100	219	96.4	102.7	68	53.7



ITEM NO: AUDT 013

45° JUNCTION

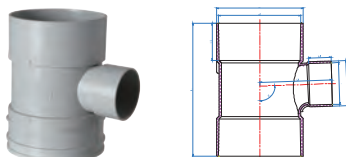
Nom Size	D	d	Tr	H	L	L1	L2
150	168.5	160.9	174.5	412	77	130.54	281.32



ITEM NO: AUDT 014

88° PLAIN JUNCTION M/F

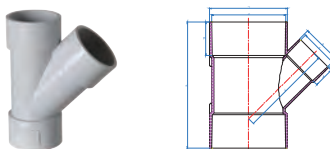
Nom Size	D	d	Tr	H	L	L1	L2	L3
100X88	119.6	110.9	124.2	50.5	106	130	239	110



ITEM NO: AUDT015

88° JUNCTION

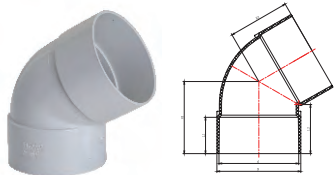
Nom Size	D	d	D1	d1	L1	L2	L3	L4
100X50	61.1	56.3	116.7	110.9	180	50.5	97.42	30.5



ITEM NO: AUDT016

45° JUNCTION

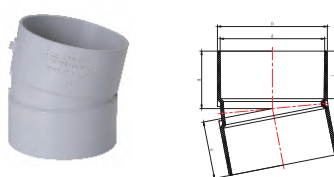
Nom Size	D	d	D1	d1	L1	L2	L3	L4
100X50	61.1	56.3	116.7	110.9	190	50.5	139.1	30.5



ITEM NO: AUDE016

60° BEND F/F

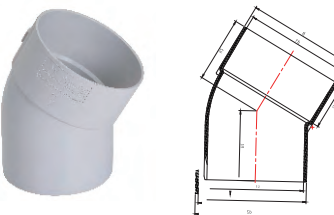
Nom Size	D	d	L1	L2	H1	H2
100	116.7	110.9	50.5	68.21	100.23	85.47



ITEM NO: AUDE017

11° BEND F/F

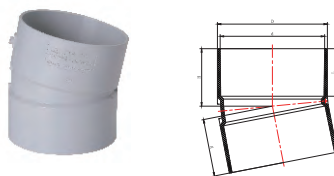
Nom Size	D	d	L	H
100	116.7	110.9	50.5	61



ITEM NO: AUDE018

30° BEND M/F

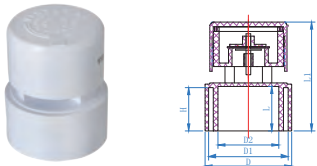
Nom Size	D	d1	d2	L1	L2	H1	H2
100	116.7	110.9	110	103.8	50.5	75.06	70.29



ITEM NO: AUDE019

22° BEND F/F

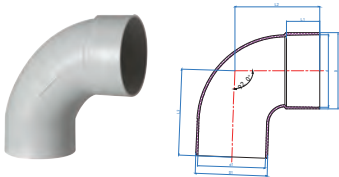
Nom Size	D	d	L	H
100	116.7	110.9	50.5	66



ITEM NO: AUDC06

VENT PIPE

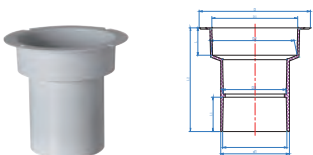
Size Nom	D	D1	D2	H	L	L1
50x40	61.1	56.3	43.4	30	31.5	76.2



ITEM NO: AUDE020

DWV PVC BEND M&F PLAIN

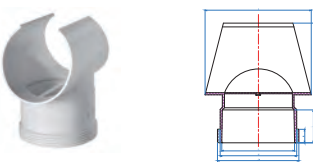
Size Nom	D	d	L1	L2	L3	D1	d1
100	116.7	110.9	50.5	116	104.2	102.7	96.5



ITEM NO: AUDC05

COUPLING DWV FLANGED PRE-LAY

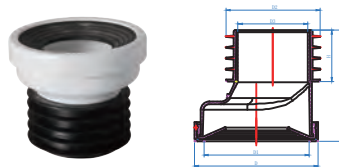
Size Nom	D	D1	D2	D3	d	d1	L	L1	L2
80	143.38	110.9	109.2	82	83.2	88.8	35.78	44.5	134



ITEM NO: AUDT017

SNAP TEE

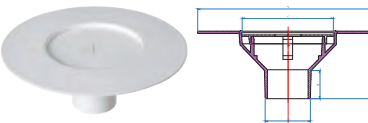
Size Nom	D	D1	D2	D3	H	L	L1
100	162	110.9	116.7	124.2	20.5	50.5	182.7



ITEM NO: AUDD04

PAN CONNECTORS 0MM OFFSET

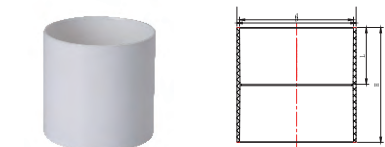
Size Nom	D	D1	D2	D3	H	L
100	147.9	126	112.7	83.8	61.7	133.3



ITEM NO: AUDF04

PUDDLE FLANGE

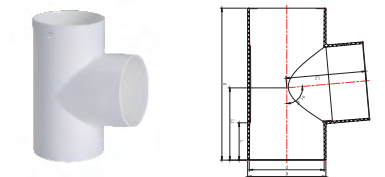
Size Nom	D	D1	D2	H	L
50	200.4	101.8	50	31.25	74.8



ITEM NO: ASC01

SLIP COUPLING

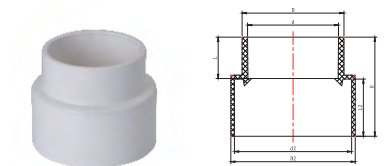
Nom Size	D	d	L	H
80	84	80.39	40	81



ITEM NO: AST01

TEE

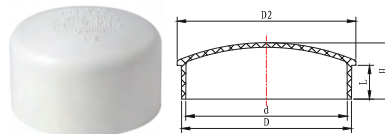
Nom Size	D	d	L	L1	L2	H
80	84	80.39	40	77.5	85.72	163



ITEM NO: ASR01

REDUCING ADAPTOR

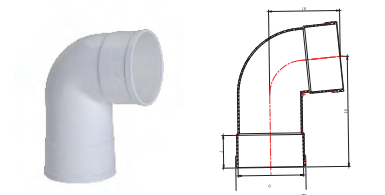
Nom Size	D	d	L	L2	D2	d2	H
100X90X80	90	80.4	36.5	50.5	110	103.6	87.5



ITEM NO: ASP01

CAP

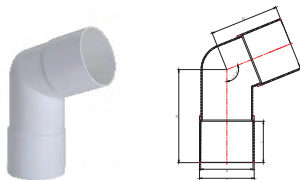
Nom Size	D	D2	d	L	H
80	75.5	79.3	71.7	15	25



ITEM NO: ASE03

95° DEGREE ELBOW F+F

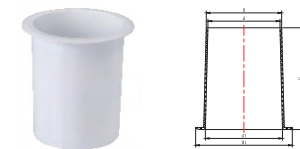
Nom Size	D	d	L	H1	H2
80	86	80.39	40	87.23	135.16



ITEM NO: ASE04

112° DEGREE ELBOW F+F

Nom Size	D	d	L	H1	H2
80X112	84	80.39	63.5	142.94	135.75



ITEM NO: AUDY01

DROPPER

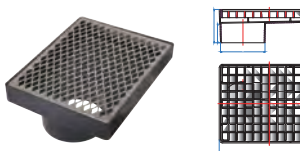
Nom Size	D	d	D1	d1	H
80	74.9	71.5	96	76.6	101



ITEM NO: ASD001

D SQUARE

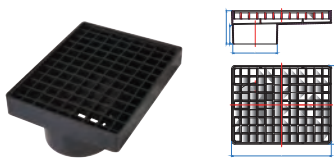
Nom Size	D	D1	D2	D3	H	L	L1
150X150X100X90	150	142.6	98.8	102.5	150	18	50.8



ITEM NO: ASD002

STORM PVC OFFSET GRATE W/SS MESH (90mm)

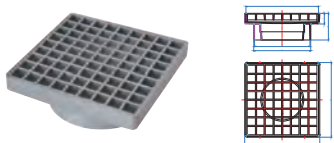
Nom Size	D	D1	H	L	L1
190X150X90	190	85.3	150	35.31	63.5



ITEM NO: ASD003

GRATE OFFSET Plastic Mesh ABS

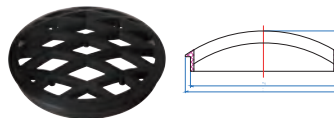
Nom Size	D	D1	H	L	L1
190X150X90	190	85.3	150	35.31	63.5



ITEM NO: ASD004

GRATE D SQUARE

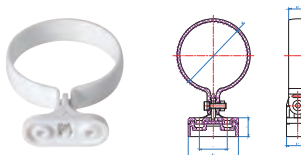
Nom Size	D	D1	D2	D3	H	L	L1
150X150X100X90	150	146	110.9	114	150	21	53.8



ITEM NO: ASD005

ARCHED POLY GRATE 125MM

Nom Size	D	D1	L	H
125	150	141	14	39



ITEM NO: ASD007

ADJUSTABLE RAIN CLIP

Nom Size	D	D1	D2	D3	H	R
80	33.1	59.4	26	20.6	21.9	79