

WEIZIDOM



WEIZIDOM GROUP

集团总部：中国·郑州华南城中原电商大厦
分工厂：天津·安徽·山东·连云港·温州
驻外分公司：非洲·坦桑尼亚·赞比亚·肯尼亚

销售热线：+86-13849013722

www.wdsolution.com
www.wsdvalves.com

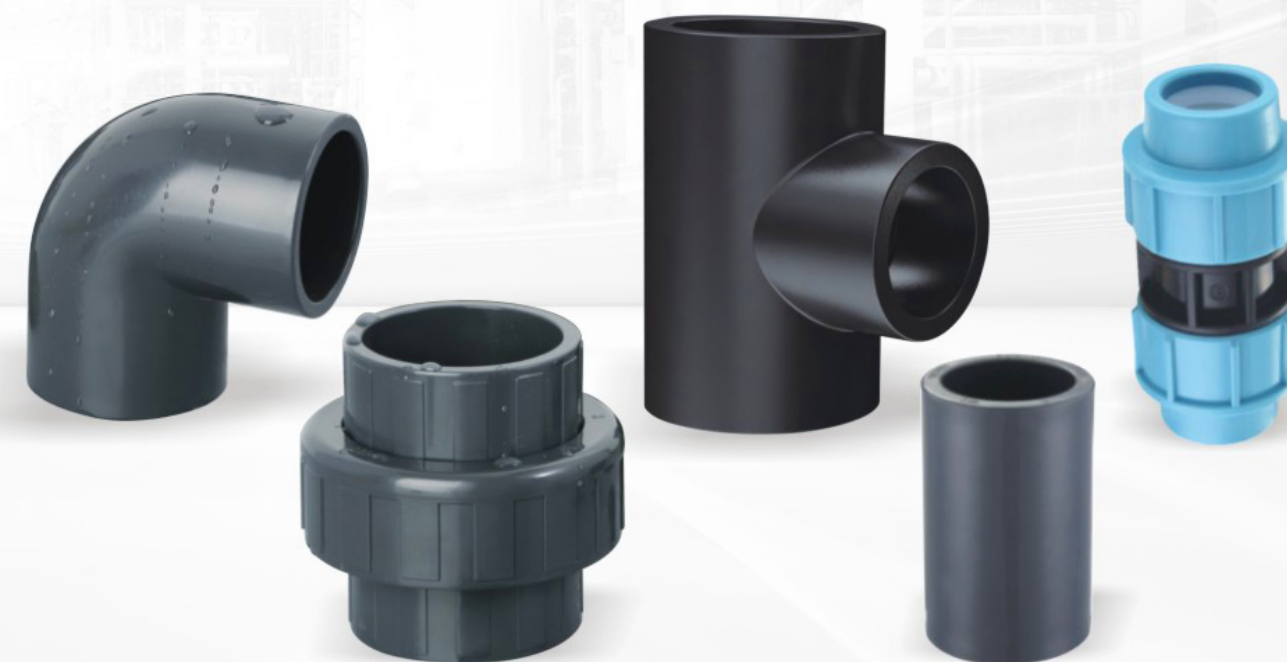
www.facebook.com/hawsd

Group headquarters: Central Plains E-Commerce Building, Zhengzhou South City, China
Branch Factory: Tianjin, Anhui, Shandong, Lianyungang, Wenzhou
Branch Company in Overseas: Tanzania, Zambia, Kenya in Africa

Sales Hotline: +86-13849013722

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Plastic Pipe Fittings

WEIZIDOM GROUP

WEIZIDOM GROUP

Enterprise Social Responsibility

WEIZIDOM are not only concerned about products, services and solutions.

WEIZIDOM promise to implement sustainable development and benefit society with energy-saving and environmental protection.

Our Purpose: People-Oriented, Hard Work, Never forget the original intention, Innovation and forge ahead.

Our Mission: To be a high-quality supplier of fluid control systems and plan maker; To contribute our wisdom and strength to the development of the cutting-edge technology of fluid control systems.

Our Vision: Explore the internal innovation spirit and creativity, pursuit, innovation and continuous improvement. Use wisdom, foresight and hard work to make "WEIZIDOM" a world-renowned brand; Make the group company grow into a respectable "Four Satisfaction" enterprise.

Customer Satisfaction: Use high-quality products and refined services to add value to customers.

Employee Satisfaction: People-oriented, build a platform for all employees to realize their dreams, everyone is the CEO.

Partner Satisfaction: Mutual promotion, improve, mutual benefit and win-win.

Shareholder Satisfaction: Enable the company to develop and grow, and return profits.

Our Values: Create differentiated value-added services for customers, let everyone in the company has a sense of accomplishment.



WEIZIDOM GROUP

Development History



2010

WESDOM was established

In December 2010, WESDOM was registered with a registered capital of 5 million yuan;

June 2013, WESDOM passed ISO and other international certifications;

2015

WESDOM established the first overseas branch

In June 2014, TIANJIN WESDOM VALVE MANUFACTURING CO.,LTD. was established in Tianjin, where the production of butterfly valves is concentrated;

2016

WESDOM products are exported to overseas regions and markets

In July 2015, the first overseas branch company WEISIDUN MATERIAL SOLUTION COMPANY was established in the beautiful African continent –Tanzania, and WESDOM began to expand into the international market;

In December 2015, WESDOM established a special foreign trade import and export company in Zhengzhou, the hinterland of the Central Plains HENAN WEISIDUN IMPORT AND EXPORT TRADE CO.,LTD., to make up for the domestic shortcomings of entering the international market;

In 2016, WESDOM brand products have been exported to Tanzania, Zambia, Egypt, Turkey, Pakistan, Thailand, Indonesia, Vietnam, the Philippines, Saudi Arabia, Mexico and other countries and regions;

In 2017, the company carried out production, procurement adjustments and layouts, expanded product series, initially formed a production and procurement system for water series products (control and connection systems), and established a procurement system for major production clusters across the south and north. ;

2018

Zambia branch was established, and the group company expanded its measurement products series

In January 2018, the second exclusive import and export company was established—HENAN WESDOM FLOW CONTROL CO.,LTD. In August of the same year, the second overseas branch company –WESDOM VALVES AND FITTINGS COMPANY LIMITED was established in Zambia, Africa;

In 2020, under the influence of the unfavorable factors of the domestic and foreign epidemic situation, the company has achieved the goal of breaking 100 million yuan in addition to the continuous growth of sales.

2019

WESDOM launched a series of plastic materials

In 2018, the series of measurement products (water meters, flow meters) were expanded, and the supply chain system was further enriched and improved;

In April 2021, the Kenya branch WESDOM VALVES AND FITTINGS(K) CO LIMITED was established and operated well, its products occupy the African market successfully.

2020

WESDOM sales exceeded 20 million USD

In 2019, a series of plastic material products were launched; the company's valves and pipe fittings passed the CE certification; WESDOM overall sales performance exceeded 90 million in the same year;

To be continued...

2021

Kenya branch is established, WESDOM products occupy the African market

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WEIZIDOM GROUP

Company Introduction

WESDOM Group specializes in pipeline fluid systems: R&D, production and sales of valves, pipe fittings, water meters, flow meters, etc. The products cover cast iron, cast steel, stainless steel, copper, plastic and other materials, which are widely used in hydropower stations, heat, buildings, Water supply and drainage, petroleum, chemical industry, electric power, medical and other fields.

In recent years, WESDOM Group has actively embraced the era of Internet of Everything, committed to IoT terminal control and artificial intelligence design, big data mining and development, and promoted smart hardware to move towards big data center and wisdom with excellent market foresight and technological innovation. The smart cities, smart heating, smart water and other fields are in progress.

In the early stage, the Internet of Things smart valves and smart water meters were developed to promote and apply smart control systems such as municipal heating and municipal water supply.

In terms of quality control, we have strict control procedures. From the raw materials entering the factory to the final product leaving the factory, after 24 quality inspection passes, each pass must ensure that the product quality is 100% qualified before it can flow into the next process, thus ensuring that the qualified rate of the finished products. WESDOM products can well meet the Chinese standard like GB, JB, HB; American standard like API, ASME, AWWA; British and EU standards like BS, EN, ISO; German standard DIN; Japanese standard JIS; Russian standard GOST and other standards.



Company Qualification



WEIZIDOM GROUP

Production Process Flow of Ductile Cast Iron Fittings



Independent research and development, independent innovation, with perfect experimental equipment and professional technical personnel



Contents

PVC Pressure Fittings with Gasket 01



PVC-U Pressure Fittings (SCH80) 05



PP Compression Fittings Series 08



PP Threaded Pipe and Fittings Series 12



PPR Pipe and Fittings Series 16



PE Pipes & Fittings 22



PE Electrofusion Fittings 25



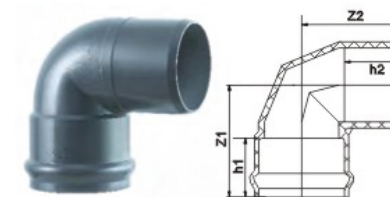
PE Ball Valves 30



PVC Pressure Fittings with Gasket

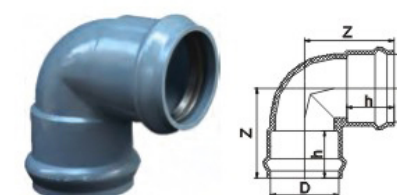


PVC Pressure Fittings with Gasket



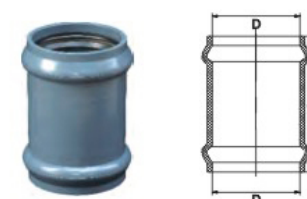
One Faucet One Insert 90° Elbow

Spec	Z1	Z2	h1	h2
225	312	296	166	170
250	337.5	340	182	178
315	393	378	198	222



Two Faucet 90° Elbow

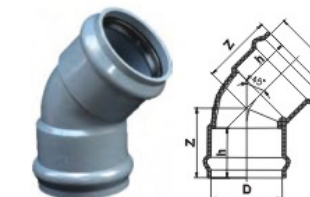
Spec D	Z	h
63	112	76
75	123	81.5
90	165	114
110	190	122
160	229	142
200	266	153
225	312	163
250	338	177
315	393	198
355	393	206



Two Faucet 90° Elbow

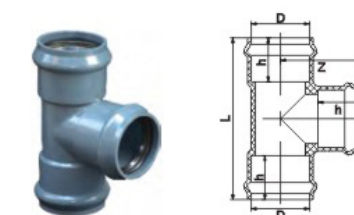
Spec D	L
63	156
75	170
90	235
110	266
160	310
200	338
225	360
250	385
315	460
355	460

PVC Pressure Fittings with Gasket



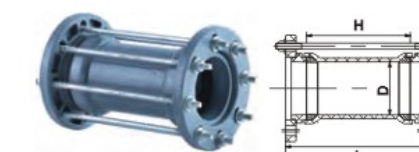
Two Faucet 45° Elbow

Spec D	Z	h
63	92	76
75	103.5	81.5
90	136	114
110	162.5	122
160	183	141.5
200	210	155
225	222	166
250	248	180
315	298	195
355	292	205



Three Faucet Regular Tee

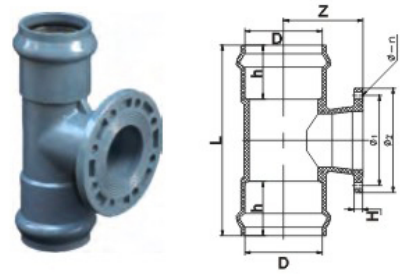
Spec D	L	h	Z
63	224	76	112
75	245	81.5	122.5
90	330	115	126.5
110	410	122	206
160	473	141.5	238
200	560	152	280
225	615	166	308
250	666	176	333
315	780	198	390
355	786	206	393



Repairing Joint

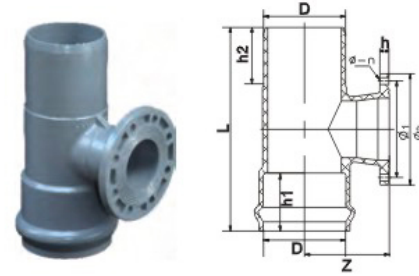
Spec D	L	H
110	305	221
160	365	252
200	410	290
225		315
250	430	35
315		390

PVC pressure fittings with gasket



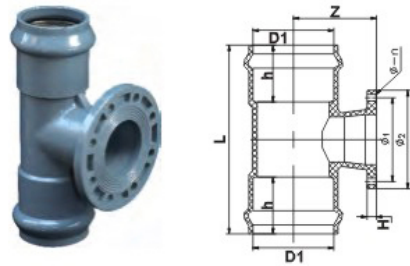
Two Faucet One Flange Regular Tee

Spec D	L	h	z	Φ1	Φ2	H	Φ-n
110	413	122	158	180	225	21	17.5-8
160	475	141.5	191	240	285	24	22-8
200	560	155	217.5	295	340	28	22-8
225	611	166	260	295	340	30	22-8



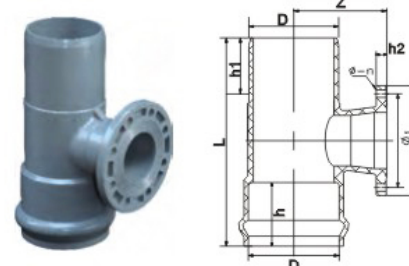
One Faucet One Flange One Insert Regular Tee

Spec D	L	h1	h2	h	Φ1	Φ2	Z	Φ-n
110	410	122	127	21	180	225	158	17.5×8
160	480	141.5	144	24	240	285	191	22×8
200	560	155	155	28	295	340	217.5	22×8
225	615	166	167	30	295	340	260	22×8



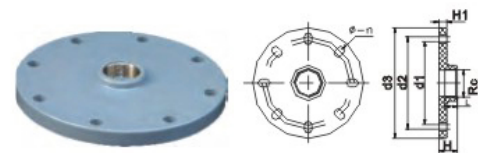
Two Faucet One Flange Regular Tee

Spec D1×D2	L	h	z	Φ1	Φ2	H	Φ-n
160×110	428	141.5	191	180	225	21	17.5-8
200×110	475	155	210	180	225	21	17.5-8
200×160	535	155	216.5	240	285	24	22-8
225×110	490	166	225	180	225	21	17.5-8
225×160	540	166	230	240	285	24	22-8
250×110	520	180	238	180	225	21	17.5-8
250×160	573	180	240	240	285	24	22-8
250×200	623	180	260	295	340	28	22-8
315×110	580.5	198	279	180	225	21	17.5-8
315×160	618	198	277	240	285	24	22-8
315×200	663	198	292	295	340	28	22-8



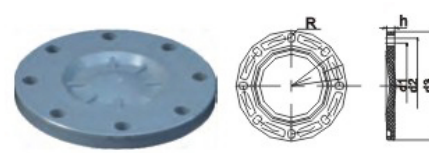
One Faucet One Insert One Flange Reducing Tee

Spec D	L	h	h1	h2	Φ1	Φ2	Z	Φ-n
160×110	440	141.5	144	21	180	225	191	17.5×8
200×110	477	155	155	21	180	225	210	17.5×8
200×160	530	155	155	24	240	285	216.5	22×8
225×110	495	166	167	21	180	225	225	17.5×8
225×160	550	166	167	24	240	285	230	22×8
250×110	515	180	182	21	180	225	238	17.5×8
250×160	570	180	182	24	240	285	240	22×8
250×200	616	180	180	28	295	340	260	22×8
315×110	575	198	197	21	180	225	279	17.5×8
315×160	618	198	197	24	240	285	277	22×8
315×200	663	198	197	28	295	340	292	22×8



Cooper Screw Blank Flange

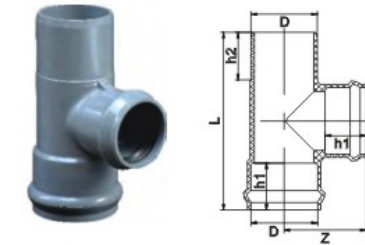
Spec D	d1	d2	d3	H	H1	L	Φ-n
110×2"	170	180	225	38	20	28	17.5×8
160×2"	230	240	285	41.5	25	28	17.5×8
200×2"	295		340	43	28	28	22×8



Blank Flange

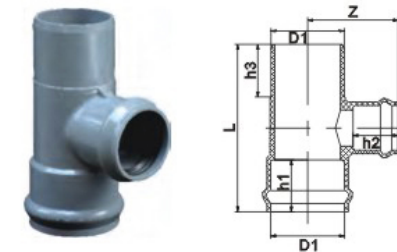
Spec D	d1	d2	d3	h	n	R
110	170	180	225	20	8	11
160	230	240	285	25	8	9
200	295	225	340	28	8	11

PVC Pressure Fittings with Gasket



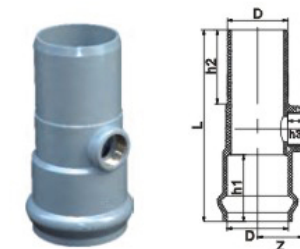
Two Faucet One Insert Regular Tee

Spec D	L	h1	H2	Z
110	410	122	130	206
160	480	141.5	144	238
200	560	155	155	280
225	615	166	167	308
250	670	180	182	333
315	780	198	198	390



Two Faucet One Insert Reducing Tee

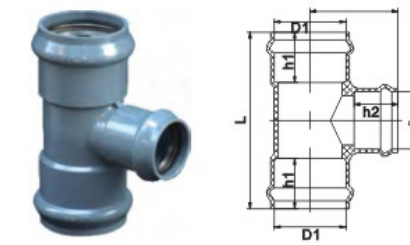
Spec D1×D2	L	h1	h2	h3	Z
160×110	440	141.5	122	144	220
200×110	477	155	122	155	235
200×160	530	155	141.5	155	255
225×110	495	166	122	167	250
225×160	550	166	141.5	167	270
250×110	515	180	122	182	265
250×160	570	180	141.5	182	285
250×200	616	180	155	182	315
315×110	575	198	122	197	312
315×160	618	198	141.5	197	318
315×200	663	198	155	197	344



One Faucet One Insert Copper Screw Tee

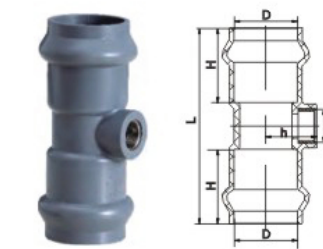
Spec D×Rp	L	h1	h2	h3	Z
110×2"	340	122	130	28	81
160×2"	380	141.5	144	28	103
200×2"	410	155	155	28	122.5

PVC Pressure Fittings with Gasket



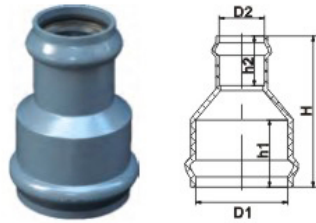
Three Faucet Reducing Tee

Spec D1×D2	L	h1	h2	Z
75×63	234	81.5	76	117.5
90×63	304	115	76	128
90×75	304	115	81.5	153
110×63	340	122	76	141
110×75	340	122	81.5	138
110×90	340	122	115	197
160×63	384	141	76	169
160×75	384	141	81.5	175
160×90	384	141	115	225
160×110	430	142	122	220
200×63	416	152	76	195
200×75	416	152	81.5	200
200×90	416	152	115	250
200×110	477	155	122	235
200×160	535	155	142	255
225×110	492	166	122	250
225×160	545	166	142	270
250×110	516	180	122	265
250×160	576	180	142	285
250×200	618	180	155	315
315×110	570	198	122	312
315×160	618	198	142	317
315×200	658	198	155	344
355×160	616	206	105	343
355×200	616	206	155	387
355×225	664	206	166	370
355×250	664	206	177	413



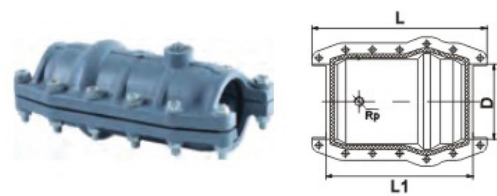
Two Faucet Copper Screw Tee

Spec D×Rp	H	h	L
63×3/4"	76	52	200
63×1"	76	52	200



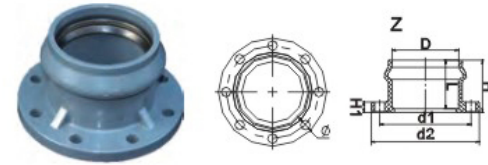
Two Faucet Reducer

Spec D1 x D2	H	h1	h2
90 x 63	210	115	76
90 x 75	212	115	81.5
110 x 63	230	122	76
110 x 90	255	123	116
160 x 110	305	140	122
200 x 110	324	156	122
200 x 160	325	155	140
225 x 110	362	160	122
225 x 160	355	160	140
225 x 200	355	160	155
250 x 110	388	175	122
250 x 160	375	175	140
250 x 200	372	175	155
250 x 225	375	175	165
315 x 160	431	195	140
315 x 200	430	195	155
315 x 250	435	195	182
355 x 200	455	205	155
355 x 315	438	205	198



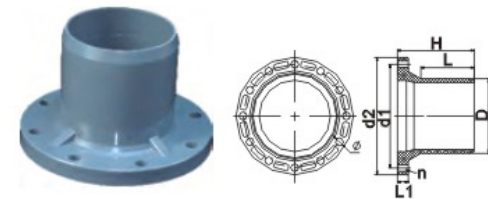
Saddle Pin Joint with Cooper Screw

Spec D	L	L1	Rp	No. size and length of nuts
90	313	260	1/2"	12-M10 x 70
110	340	280	1/2"	12-M12 x 70
125	345	284	1/2"	12-M12 x 70
140	347	286	1/2"	12-M12 x 70
160	382	320	1/2"	14-M12 x 80
200	462	400	1/2"	16-M12 x 80
225	462	400	1/2"	16-M12 x 80
250	494	430	1/2"	18-M12 x 90
315	525	450	1/2"	18-M12 x 90
355	545	470	1/2"	18-M16 x 100
400	575	500	1/2"	20-M16 x 100



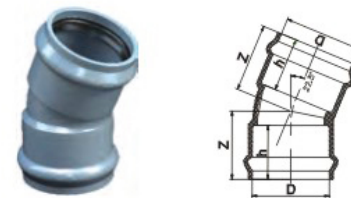
Faucet Flange

Spec D	d1	d2	H	H1	L	Φ	n
63	125	165	88	16	76	17.5	4
75	145	185	92	16	81.5	17.5	4
90	160	200	122	20.5	113.5	17.5	8
110	180	225	148.5	21	124	17.5	8
160	240	285	154	24.5	142	22	8
200	295	336	167.5	27	153	22	8
225	295	340	173.5	31	163	22	8
250	350	395	188	33	177	22	12
315	400	445	215	36.5	199	22	12
355	445-460	505	225	38	209	22	16
400	495-515	565	247.5	41.5	227.5	26	16



Insert Flange

Spec D	d1	d2	H	L	L1	Φ	n
63	125	165	110	80	16	17.5	4
75	145	185	113	85	16	17.5	4
90	160	200	153	115	20	17.5	8
110	180	225	167	125	21	17.5	8
160	240	285	196	146	25	22	8
200	295	338	215	166	32	22	8
225	295	340	226.5	170	31	22	8
250	350	395	257.5	180	33	22	12
315	400	445	297.5	200	36.5	22	12
400	495-515	565	303	235	41.5	26	16



Two Faucet 22.5° Elbow

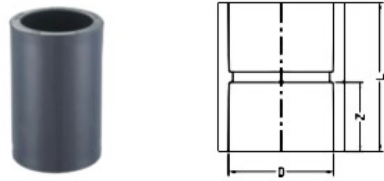
Spec D	Z	h
110	152	122
160	166	140.5
200	190	155
225	191	166
250	224	180
315	268	198

PVC-U Pressure Fittings (SCH80)



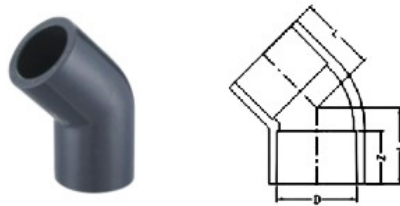
PVC-U pressure fittings (SCH80)

Coupling



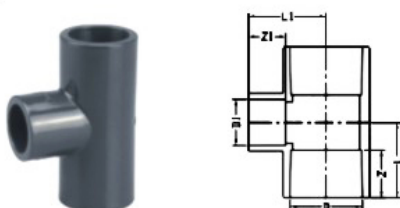
Size	Nom	D	L	Z
1/2"		21.34	50.2	24.0
3/4"		26.67	56.5	27.0
1"		33.40	62.5	30.0
1 1/4"		42.16	68.5	33.0
1 1/2"		48.26	74.5	36.0
2"		60.32	80.5	39.0
2 1/2"		73.02	97.0	46.0
3"		88.90	103.0	49.0
4"		114.30	123.0	59.0

45 Deg Elbow



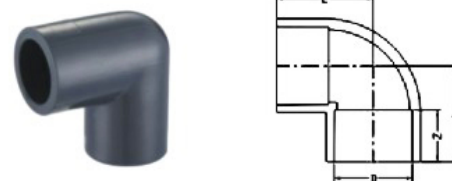
Size	Nom	D	L	Z
1/2"		21.34	30.5	24.0
3/4"		26.67	34.5	27.0
1"		33.40	39.5	30.0
1 1/4"		42.16	45.0	33.0
1 1/2"		48.26	49.0	36.0
2"		60.32	54.5	39.0
2 1/2"		73.02	66.0	46.0
3"		88.90	72.0	49.0
4"		114.30	88.0	59.0

Reducing Tee



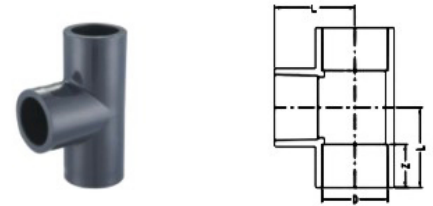
Size	Nom	D	L	Z	D1	L1	Z1
3/4" x 1/2"		26.67	39.5	27.0	21.34	39.0	24.0
1" x 1/2"		33.40	42.5	30.0	21.34	42.0	24.0
1" x 3/4"		33.40	45.5	30.0	26.67	45.5	27.0
1 1/4" x 3/4"		42.16	48.5	33.0	26.67	50.0	27.0
1 1/4" x 1"		42.16	51.5	33.0	33.40	53.0	30.0
1 1/2" x 1"		48.26	56.0	36.0	33.40	57.5	30.0
1 1/2" x 1 1/4"		48.26	61.0	36.0	42.16	61.0	33.0
2" x 1 1/4"		60.32	64.0	39.0	42.16	67.0	33.0
2" x 1 1/2"		60.32	64.0	39.0	48.26	70.0	36.0
1 1/2" x 1 1/2"		73.02	74.0	46.0	48.26	76.5	36.0
2 1/2" x 2"		73.02	80.0	46.0	60.32	79.5	39.0
3" x 2"		88.90	83.0	49.0	60.32	87.5	39.0
3" x 2 1/2"		88.90	89.5	49.0	73.02	107.0	46.0
4" x 2 1/2"		114.30	99.5	59.0	73.02	107.0	46.0
4" x 3"		114.30	107.5	59.0	88.90	110.0	49.0

90 Deg Elbow



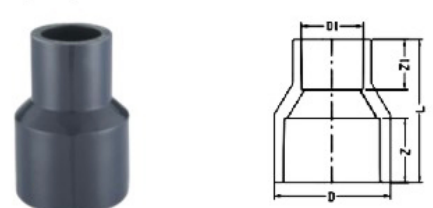
Size	Nom	D	L	Z
1/2"		21.34	50.2	24.0
3/4"		26.67	56.5	27.0
1"		33.40	62.5	30.0
1 1/4"		42.16	68.5	33.0
1 1/2"		48.26	74.5	36.0
2"		60.32	80.5	39.0
2 1/2"		73.02	97.0	46.0
3"		88.90	103.0	49.0
4"		114.30	123.0	59.0

Equal tee



Size	Nom	D	L	Z
1/2"		21.34	36.5	24.0
3/4"		26.67	42.5	27.0
1"		33.40	49.5	30.0
1 1/4"		42.16	56.0	33.0
1 1/2"		48.26	63.0	36.0
2"		60.32	73.5	39.0
2 1/2"		73.02	86.5	46.0
3"		88.90	100.0	49.0
4"		114.30	124.0	59.0

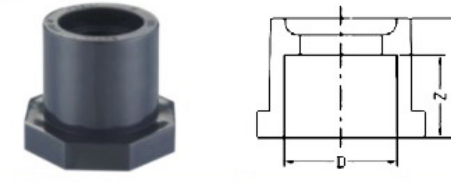
Reducing coupling



Size	Nom	D	L	Z	D1	Z1
3/4" x 1/2"		26.67	60.0	27.0	21.34	24.0
1" x 1/2"		33.40	63.0	30.0	21.34	24.0
1" x 3/4"		33.40	67.5	30.0	26.67	27.0
1 1/4" x 3/4"		42.16	75.0	33.0	26.67	27.0
1 1/4" x 1"		42.16	69.0	33.0	33.40	30.0
1 1/2" x 1"		48.26	77.0	36.0	33.40	30.0
1 1/2" x 1 1/4"		48.26	83.5	36.0	42.16	33.0
2" x 1 1/4"		60.32	89.0	39.0	42.16	33.0
2" x 1 1/2"		60.32	94.0	39.0	48.26	36.0
1 1/2" x 1 1/2"		73.02	99.0	46.0	48.26	36.0
2 1/2" x 2"		73.02	102.0	46.0	60.32	39.0
3" x 2"		88.90	106.5	49.0	60.32	39.0
3" x 2 1/2"		88.90	115.5	49.0	73.02	46.0
4" x 2 1/2"		114.30	124.5	59.0	73.02	46.0
4" x 3"		114.30	130.0	59.0	88.90	49.0

PVC-U pressure fittings (SCH80)

Reducing ring



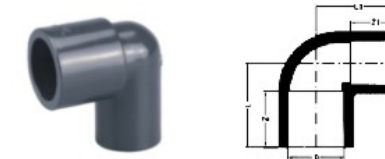
Size	Nom	D	L	Z
3/4" x 1/2"		21.34	34.0	24.0
1" x 3/4"		26.67	37.0	27.0
1 1/4" x 1"		33.40	40.0	30.0
1 1/2" x 1"		42.16	43.0	33.0
1 1/2" x 1 1/4"		48.26	46.0	36.0
2" x 1 1/2"		60.32	53.0	39.0
2 1/2" x 2"		73.02	61.0	46.0
4" x 3"		88.90	66.0	49.0

Union



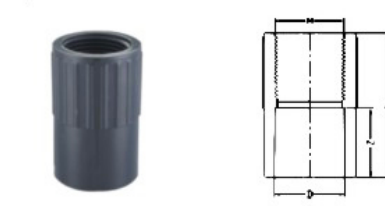
Size	Nom	D	L	Z	D1
1/2"		21.34	54.0	24.0	48.5
3/4"		26.67	60.0	27.0	56.2
1"		33.40	68.0	30.0	64.0
1 1/4"		42.16	76.0	33.0	75.7
1 1/2"		48.26	84.0	36.0	83.4
2"		60.32	93.0	39.0	98.3

Reducing Elbow (Threaded)



Size	Nom	D	L	Z	D1	L1	Z1
3/4" x 1/2"		26.67	40.0	27.0	21.34	40.0	24.0
1" x 1/2"		33.40	42.5	30.0	21.34	42.5	24.0
1" x 3/4"		33.40	45.5	30.0	26.67	45.5	27.0

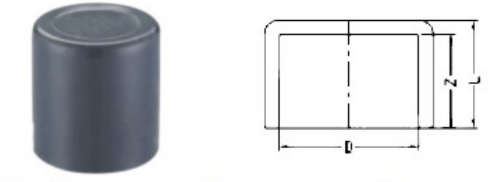
Female Adapter



Size	Nom	D	L	Z	M
1/2"		21.34	50.5	24.0	1/2"
3/4"		26.67	56.5	27.0	3/4"
1"		33.40	62.5	30.0	1"
1 1/4"		42.16	68.5	33.0	1 1/4"
1 1/2"		48.26	74.5	36.0	1 1/2"
2"		60.32	80.5	39.0	2"
2 1/2"		73.02	97.0	46.0	2 1/2"
3"		88.90	103.0	49.0	3"
4"		114.30	123.0	59.0	4"

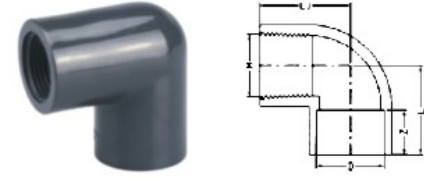
PVC-U Pressure Fittings (SCH80)

End cap



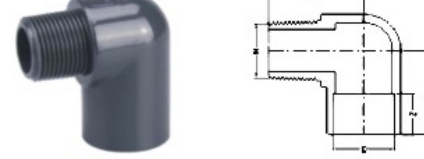
Size	Nom	D	L	Z
1/2"		21.34	34.0	24.0
3/4"		26.67	37.0	27.0
1"		33.40	40.0	30.0
1 1/4"		42.16	43.0	33.0
1 1/2"		48.26	46.0	36.0
2"		60.32	53.0	39.0
2 1/2"		73.02	61.0	46.0
3"		88.90	66.0	49.0
4"		114.30	67.5	59.0

Female Elbow



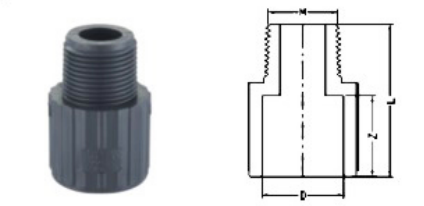
Size	Nom	D	L	Z	D1	M
1/2"		29.7	36.4	24.0	36.4	1/2"
3/4"		35.4	42.7	27.0	42.7	3/4"
1"		43.2	49.1	30.0	49.1	1"

Male Elbow 90°



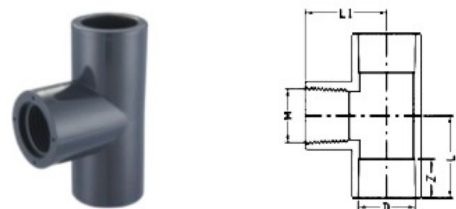
Size	Nom	D	L	Z	D1	M
1/2"		29.7	36.4	24.0	36.0	1/2"
3/4"		35.4	42.7	27.0	42.0	3/4"
1"		43.2	49.1	30.0	49.0	1"

Male Adapter



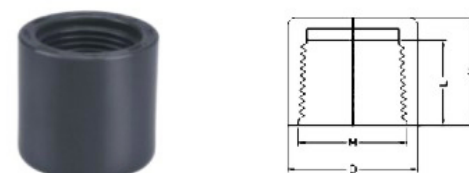
Size	Nom	D	L	Z	M
1/2"		21.34	43.5	24.0	1/2"
3/4"		26.67	53.0	27.0	3/4"
1"		33.40	58.5	30.0	1"
1 1/4"		42.16	64.0	33.0	1 1/4"
1 1/2"		48.26	69.0	36.0	1 1/2"
2"		60.32	75.5	39.0	2"
2 1/2"		73.02	93.5	46.0	2 1/2"
3"		88.90	99.5	49.0	3"
4"		114.30	113.5	59.0	4"

Female Tee



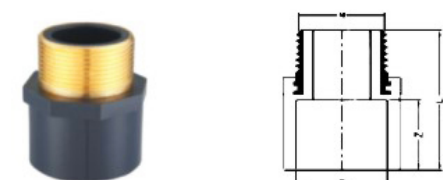
Size	Nom	D	L	Z	L1	M
3/4" x 1/2"		29.7	36.5	24.0	36.5	1/2"
1" x 1/2"		35.4	42.0	27.0	42.0	3/4"
1" x 3/4"		43.2	48.0	30.0	48.0	1"

Female Cap



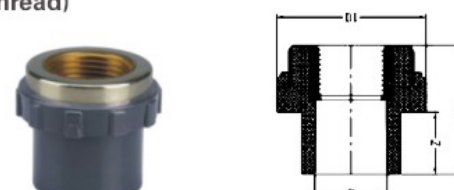
Size	Nom	D	L	Z	M
3/4" x 1/2"		29.7	30.5	24.0	1/2"
1" x 1/2"		35.4	33.5	27.0	3/4"
1" x 3/4"		43.2	37.0	30.0	1"

Male Coupling



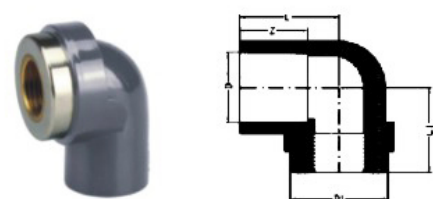
Size	Nom	D	L	Z	M
1/2"		21.34	45.0	24.0	1/2"
3/4"		26.67	51.0	27.0	3/4"
1"		33.40	53.0	30.0	1"
1 1/4"		42.16	62.0	33.0	1 1/4"
1 1/2"		48.26	66.0	36.0	1 1/2"
2"		60.32	74.0	39.0	2"

Female Coupling (Copper Thread)



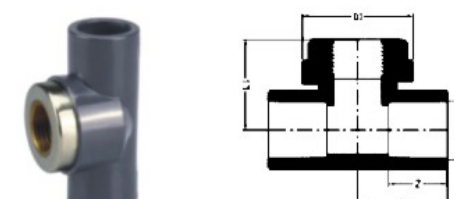
Size	Nom	D	L	Z	M
1/2" x 1/2"		21.34	19.0	24.0	45.0
1/2" x 3/4"		21.34	19.0	24.0	45.0
3/4" x 3/4"		26.67	21.0	27.0	45.0
3/4" x 1/2"		26.67	21.0	27.0	45.0
1" x 1"		33.40	26.0	30.0	49.5
1" x 3/4"		33.40	26.0	30.0	49.5

90Deg Female Elbow (Copper Thread)



Size	Nom	D	L	Z	D1	L1
1/2" x 1/2"		21.34	29.0	24.0	42.5	28.0
1/2" x 3/4"		21.34	29.0	27.0	42.5	28.0
3/4" x 3/4"		26.67	31.0	30.0	42.5	29.5
3/4" x 1/2"		26.67	31.0	33.0	42.5	29.5

Female Tee (Copper Thread)



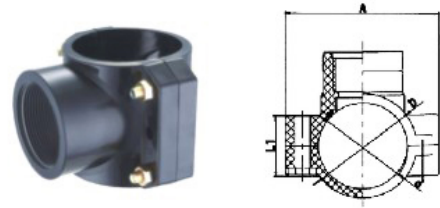
Size	Nom	D	L	Z	D1	L1
1/2" x 1/2"		21.34	34.0	24.0	42.5	34.0
1/2" x 3/4"		21.34	34.0	24.0	42.5	34.0
3/4" x 3/4"		26.67	37.0	27.0	42.5	36.5
3/4" x 1/2"		26.67	37.0	27.0	42.5	36.5

PP Compression Fittings Series



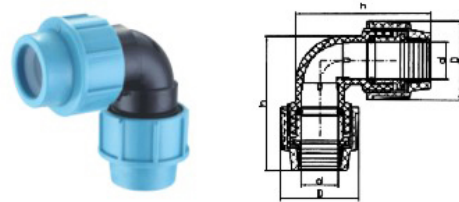
PP compression fittings series

PP Adding Exit



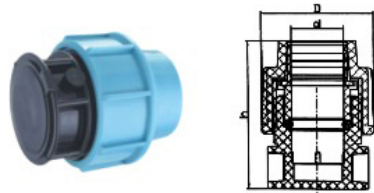
Size	Nom	d	D	A	L1
25	25	34	76	26	
32	32	41	78	27	
40	40	50	85	32	
50	50	60	85.5	34	
63	63	74.2	100	36	
75	75	89	117.6	45	
90	90	105	138	46	
110	110	126.4	158	47.2	
125	125	150.3	180	49	
160	160	181	211	51	
200	200	222.6	265	57.6	
250	250	271.6	323.4	63.2	

PP 90 Deg Elbow



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

PP End Cap



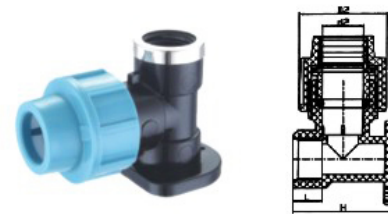
Size	Nom	d	D	h
20	21	44	59	
25	26	56	76	
32	33	65	88	
40	41	80	113	
50	51	92	127	
63	64	114	137	
75	76	128	160	
90	91	152	179	
110	111	182	200	

Coupling



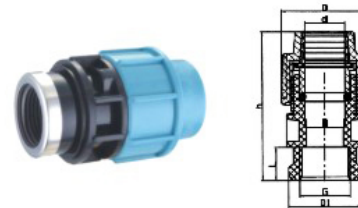
Size	Nom	d	D	L
20	21	44	100	
25	26	56	130	
32	33	65	149	
40	41	80	193	
50	51	92	216	
63	64	114	233	
75	76	128	276	
90	91	152	311	
110	111	182	350	

PP Elbow Wall Plated



Size	Nom	d2	D2	L	H
20	21	44	16	62	
25	26	56	19	65	
32	33	65	22	69	
40	41	80	24	83	
50	51	92	26	97	
63	64	114	28	118	
75	76	128	33	131	
90	91	152	35	158	
110	111	182	40	190	

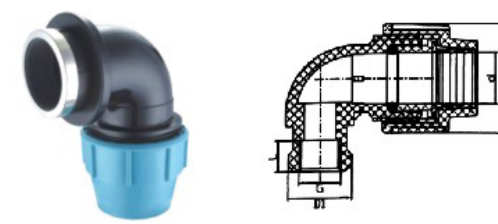
PP Female Adaptor



Size	Nom	d	D	D1	G	L	h
20 x 1/2"	21	44	31.6	1/2"	16	75	
20 x 3/4"	21	44	38.6	3/4"	19	78	
25 x 1/2"	26	56	31.6	1/2"	16	92	
25 x 3/4"	26	56	38.6	3/4"	19	95	
32 x 1"	33	65	47.4	1"	22	98	
40 x 1 1/4"	41	80	62	1 1/4"	24	137	
50 x 1 1/2"	51	92	67	1 1/2"	24	151	
63 x 2"	64	114	81.2	2"	28	165	
75 x 2 1/2"	76	128	105	2 1/2"	33	193	
90 x 3"	91	152	126	3"	35	214	
110 x 4"	111	182	157	4"	40	240	

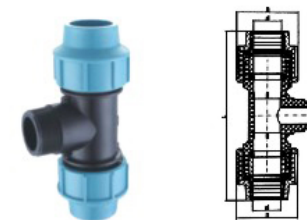
PP compression fittings series

PP Female Elbow



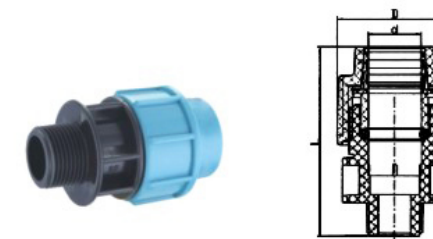
Size	Nom	d	D	D1	G	L
20 x 1/2"	21	44	31.6	1/2"	16	
25 x 3/4"	26	56	38.6	3/4"	19	
32 x 1"	33	65	47.4	1"	22	
40 x 1 1/4"	41	80	62	1 1/4"	24	
50 x 1 1/2"	51	92	67	1 1/2"	24	
63 x 1 1/2"	64	114	67	1 1/2"	24	
63 x 2"	64	114	81.2	2"	28	
75 x 2"	76	128	81.2	2"	28	
75 x 2 1/2"	76	128	105	2 1/2"	33	
90 x 3"	91	152	126	3"	35	
110 x 4"	111	182	157	4"	40	

Union



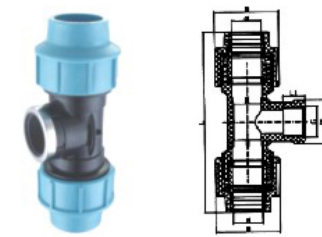
Size	Nom	d	D	L
20	21	44	125	
25	26	56	158	
32	33	65	189	
40	41	80	239	
50	51	92	262	
63	64	114	303	
75	76	128	365	
90	91	152	420	
110	111	182	482	

PP Male Adapter



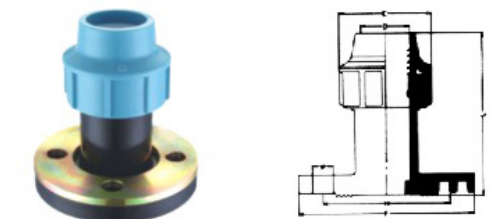
Size	Nom	d	D	L
20	21	44	75	
25	26	56	92	
32	33	65	104	
40	41	80	135	
50	51	92	148	
63	64	114	158	
75	76	128	186	
90	91	152	205	
110	111	182	226	

PP Female Tee



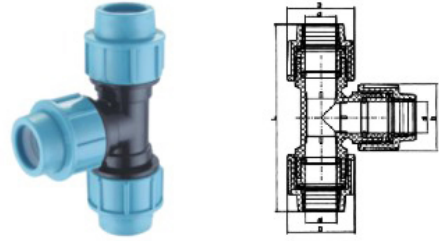
Size	Nom	d	D	D1	G	L	L1
20 x 1/2"	21	44	31.6	1/2"	125	16	
20 x 3/4"	21	44	38.6	3/4"	125	19	
25 x 1/2"	26	56	31.6	1/2"	158	16	
25 x 3/4"	26	56	38.6	3/4"	158	19	
25 x 1"	26	56	47.4	1"	158	22	
32 x 3/4"	33	65	38.6	3/4"	189	19	
32 x 1"	33	65	47.4	1"	189	22	
40 x 1"	41	80	47.4	1"	239	22	
40 x 1 1/4"	41	80	62	1 1/4"	239	24	
50 x 1 1/2"	51	92	67	1 1/2"	262	24	
63 x 1 1/2"	64	114	67	1 1/2"	303	24	
63 x 2"	64	114	81.2	2"	303	28	
75 x 2 1/2"	76	128	105	2 1/2"	365	33	
90 x 3"	91	152	126	3"	420	35	
110 x 4"	111	182	157	4"	482	40	

Flange



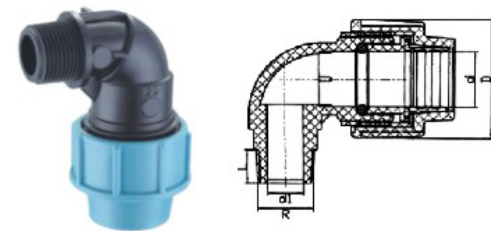
Size	Nom	E	L	F	H
40 x 1 1/2"	80	140	152	110	
50 x 1 1/2"	96	165	152	110	
50 x 2"	96	165	164	125	
63 x 2"	115	194	164	125	
63 x 2 1/2"	115	194	184	145	
75 x 2 1/2"	129	209	184	145	
75 x 3"	129	209	200	160	
90 x 3"	155	229	200	160	
90 x 4"	155	229	220	180	
110 x 4"	184	256	220	180	

PP Tee



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

PP Male Elbow



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

PP Compression Valve



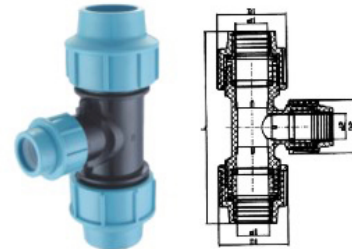
Size	Nom	D	E	L	H
1/2"	31	43.7	31	137	
3/4"	35.5	43.7	32.5	141	
1"	41	55.1	35	148	
1 1/4"	50	79	47	195	
1 1/2"	63	92	41	205	
2"	75	105	52	226	

PP Reducing Coupling



Size	Nom	d1	d2	D1	D2	L
25 × 20	26	21	56	44	117	
32 × 20	33	21	65	44	129	
32 × 25	33	26	65	56	143	
40 × 25	41	26	80	56	168	
40 × 32	41	33	80	65	174	
50 × 25	51	26	92	56	180	
50 × 32	51	33	92	65	188	
50 × 40	51	41	92	80	207	
63 × 32	64	33	114	65	198	
63 × 40	64	41	114	80	214	
63 × 50	64	51	114	92	227	
75 × 50	76	51	128	92	250	
75 × 63	76	64	128	114	256	
90 × 63	91	64	152	114	275	
90 × 75	91	76	152	128	295	
110 × 90	111	91	182	152	332	

PP Reducing Tee



Size	Nom	d1	d2	D1	D2	L
25 × 20 × 25	26	21	56	44	158	
32 × 20 × 32	33	21	65	44	179.5	
32 × 25 × 32	33	26	65	56	189	
40 × 25 × 50	41	26	80	56	228	
40 × 32 × 50	41	33	80	65	239	
50 × 25 × 50	51	26	92	56	254	
50 × 32 × 50	51	33	92	65	262	
50 × 40 × 50	51	41	92	80	262	
63 × 50 × 96	64	51	114	92	303	
75 × 50 × 75	76	51	128	92	365	
75 × 63 × 75	76	64	128	114	365	
90 × 63 × 90	91	64	152	114	420	
90 × 75 × 90	91	76	152	128	420	
110 × 90 × 110	111	91	182	152	482	

Saddle clamps

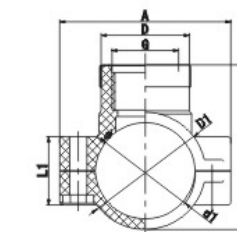
Features

Material: PP
To be installed on pipes confirming to:
PE: EN 12221 / 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

- Clean the external surface of the pipe. Be sure that the O-Ring is in its position.
- 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.
- Drill a hole in the pipe wall. Do not damage the O-Ring or the pipe near the seal zone. Use the right tools.



Size	Nom	D	G	D1	d1	L1	L	A
25 × 1/2"	31	1/2"	34	25	26	50	76	
25 × 3/4"	37	3/4"	34	25	26	52	76	
32 × 1/2"	31	1/2"	41	32	27	51	78	
32 × 3/4"	37	3/4"	41	32	27	53	78	
32 × 1"	44	1"	41	32	27	56	84	
40 × 1/2"	37	1/2"	50	40	32	66	85	
40 × 3/4"	37	3/4"	50	40	32	68.5	85	
40 × 1"	44	1"	50	40	32	71.5	85	
50 × 1/2"	44	1/2"	60	50	34	76	85	
50 × 3/4"	44	3/4"	60	50	34	78	85.5	
50 × 1"	44	1"	60	50	34	81.4	85.5	
50 × 1 1/4"	53	1 1/4"	60	50	34	85	85.5	
63 × 1/2"	31	1/2"	74.2	63	36	90.2	96	
63 × 3/4"	37	3/4"	74.2	63	36	92.2	100	
63 × 1"	44	1"	74.2	63	36	97.0	100	
63 × 1 1/4"	53	1 1/4"	74.2	63	36	98.2	100	
63 × 1 1/2"	1.6	1 1/2"	74.2	63	36	98.2	100	
75 × 1/2"	31	1/2"	89	75	45	105	100	
75 × 3/4"	37	3/4"	89	75	45	107	117.6	
75 × 1"	44	1"	90.2	75	45	108	117.6	
75 × 1 1/4"	53	1 1/4"	89	75	45	110.5	117.6	
75 × 1 1/2"	61.6	1 1/2"	89	75	45	108	117.6	
75 × 2"	74	2"	89	75	45	112.5	117.57	
90 × 1/2"	31.2	1/2"	105	90	44	121	117.6	
90 × 3/4"	37	3/4"	105	90	44	123	138	

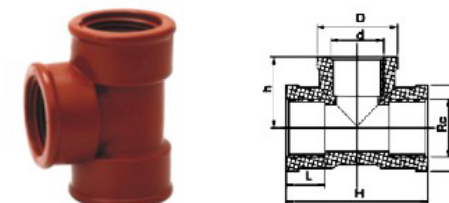
Size	Nom	D	G	D1	d1	L1	L	A
90 × 1"	44	1"	105	90	44	126	138	
90 × 1 1/4"	53	1 1/4"	105	90	44	129	138	
90 × 1 1/2"	61.6	1 1/2"	105	90	44	129	138	
90 × 2"	74	2"	105	90	44	129	138	
110 × 1/2"	31	1/2"	126.4	110	37.2	142	158	
110 × 3/4"	37	3/4"	126.4	110	37.2	142.2	158	
110 × 1"	44	1"	126.4	110	37.0	147.2	158	
110 × 1 1/4"	61.6	1 1/4"	126.4	110	37.2	148.7	158	
110 × 1 1/2"	53	1 1/2"	126.4	110	37.2	148.7	158	
110 × 2"	73.4	2"	126.3	110	37.2	147.2	158	
110 × 3"	104	3"	126.4	110	37.2	158.7	158	
125 × 1/2"	31	1/2"	142.8	125	37.2	160.2	175	
125 × 3/4"	37	3/4"	142.8	125	37.2	160.4	175	
125 × 1 1/2"	62	1 1/2"	142.8	125	37.2	164.4	175	
125 × 2"	74.5	2"	142.8	125	37.2	165.2	175	
140 × 3/4"	37	3/4"	159.2	140	37.2	178.1	192	
140 × 1 1/2"	65	1 1/2"	159.2	140	37.2	184.6	192	
140 × 2"	74.5	2"	159.2	140	37.2	188.8	192	
160 × 1/2"	31	1/2"	181	160	51	200.5	211	
160 × 1"	44	1"	181	160	51	200.5	211	
160 × 2"	73.4	2"	181	160	51	200.5	211	
160 × 3"	104	3"	181	160	51	212	211	
200 × 2"	73.4	2"	222.6	200	57.6	244.9	265	
200 × 2 1/2"	75	2 1/2"	222	200	57.6	255	265	
200 × 3"	104	3"	181	200	57.6	265.2	255.3	

PP Threaded Pipe and Fittings Series



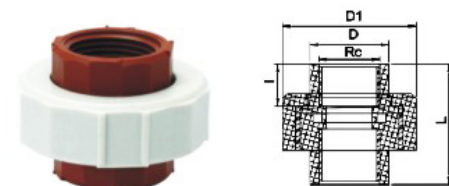
PP threaded pipe and fittings series

PP Female Tee



Size	Nom	D	Rc	L	h	H
1/2"		31.2	1/2"	14.5	24.6	51.1
3/4"		37.0	3/4"	17.5	29.3	58.8
1"		44.5	1"	19.0	37.7	75.0
1 1/4"		56.9	1 1/4"	21.0	43.4	85.6
1 1/2"		64.2	1 1/2"	21.7	48.6	97.8
2"		80.8	2"	26.3	58.4	115.0

PP Universal Union



Size	Nom	D	D1	Rc	L	I
1/2"		26.9	43.5	1/2"	41.6	14.3
3/4"		33.3	53	3/4"	40.5	15.2
1"		41.1	66	1"	46.6	16.6
1 1/4"		53.2	78	1 1/4"	58.9	18.4
1 1/2"		61.2	86.7	1 1/2"	73.5	21.5
2"		74	104.2	2"	95.6	26.4

PP Elbow with Brass



Size	Nom	D1	D2	Rc	L	h1	h2
1/2"		30.3	35.2	1/2"	15.8	25.9	38.3

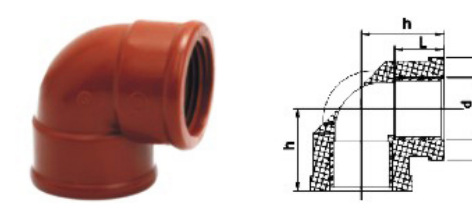
PP Female Reducer



Size	Nom	D1	D2	Rc1	Rc2	L1	L2	H
3/4" x 1/2"		30.5	36.5	1/2"	3/4"	14.8	17.1	35.0
1" x 3/4"		36.5	45.0	3/4"	1"	16.2	18.5	38.8

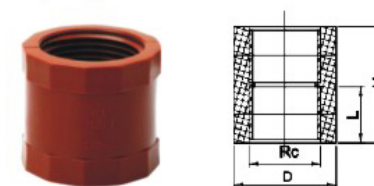
PP Threaded Pipe and Fittings Series

PP Female Elbow



Size	Nom	D	d	L	h
1/2"		31.2	1/2"	14.5	25.4
3/4"		37.0	3/4"	17.5	28.8
1"		44.5	1"	19.0	36.8
1 1/4"		56.9	1 1/4"	21.0	42.3
1 1/2"		64.2	1 1/2"	21.7	47.0
2"		80.8	2"	26.3	58.4

PP Female Coupling



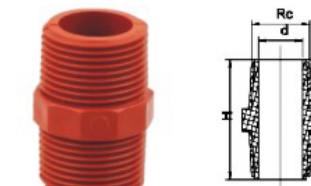
Size	Nom	D	Rc	L	H
1/2"		30.5	1/2"	14.8	32.2
3/4"		37.4	3/4"	16.2	35.6
1"		45.0	1"	18.5	40.3
1 1/4"		57.0	1 1/4"	20.3	44.8
1 1/2"		62.0	1 1/2"	21.5	45.0
2"		83.3	2"	25.8	53.3

PP Female Bend



Size	Nom	Rc	D	L
3/4"		3/4"	35.5	18.3

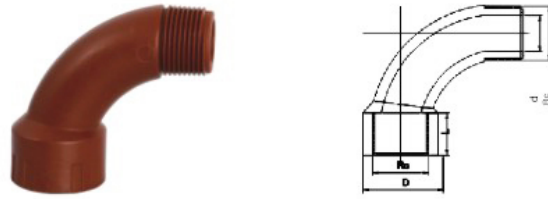
PP Nipple



Size	Nom	Rc	d	L	H
1/2"		1/2"	12.4	15.5	37.6
3/4"		3/4"	17.2	16.0	40.0
1"		1"	22.5	19.5	47.0
1 1/4"		1 1/4"	30.2	24.2	55.9
1 1/2"		1 1/2"	35.4	22.1	54.9
2"		2"	41.6	22.1	54.5

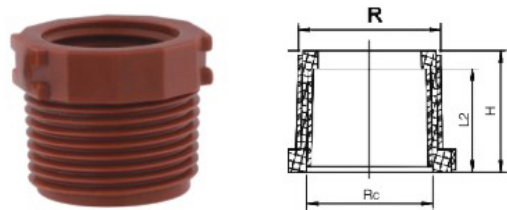
PP threaded pipe and fittings series

PP Female & Male Bend



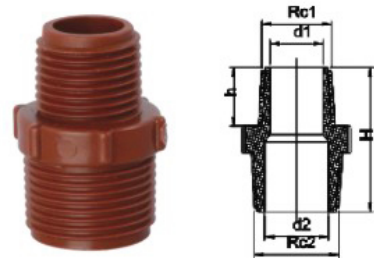
Size	Nom	d	D	Rc	L
1/2"		14.0	27.6	1/2"	15.0
3/4"		16.9	35.3	3/4"	18.4
1"		19.3	43.2	1"	21.6

PP Female & Male Adapter



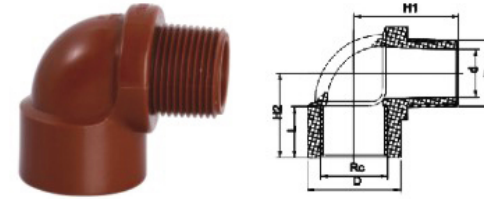
Size	Nom	Rc	R	L1	L2	H
3/4" x 1/2"		1/2"	3/4"	17.2	17.5	25.2
1" x 1/2"		1/2"	1"	21.3	22.3	27.1
1" x 3/4"		3/4"	1"	20.5	22.1	26.2
1 1/4" x 3/4"		3/4"	1 1/4"	22.7	24.3	28.4
1 1/4" x 1"		1"	1 1/4"	23.0	24.8	28.9
1 1/2" x 1 1/4"		1 1/4"	1 1/2"	23.4	25.0	30.1
1 1/2" x 3/4"		3/4"	1 1/2"	24.0	24.6	29.0
1 1/2" x 1"		1"	1 1/2"	24.6	27.0	30.6
2" x 1"		1"	2"	24.8	27.2	30.6
2" x 1 1/4"		1 1/4"	2"	25.1	28.0	31.4
2 x 1 1/2"		1 1/2"	2"	25.7	28.5	31.8

PP Male Reducer



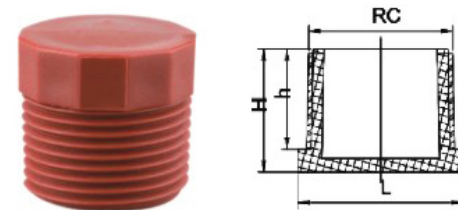
Size	Nom	d1	d2	Rc1	Rc2	h	H
3/4" x 1/2"		13.9	19.1	1/2"	3/4"	17.0	41.8
1" x 1/2"		13.9	24.1	1/2"	1"	17.0	44.9
1" x 3/4"		19.1	24.1	3/4"	1"	17.7	45.6

PP Female & Male Elbow



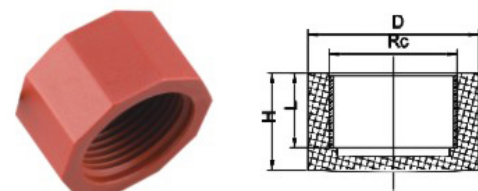
Size	Nom	d	D	Rc	L	H1	H2
1/2"		16.5	33.4	1/2"	16.3	37.2	31.6
3/4"		18.3	35.8	3/4"	19.8	39.9	33.0
1"		20.6	36.6	1"	21.4	41.5	35.3
1 1/4"		21.4	37.3	1 1/4"	22.6	42.4	36.9
1 1/2"		22.6	39	1 1/2"	23.3	43.7	38.0
2"		23.8	40.6	2"	25.0	44.6	39.8

PP Male Plug



Size	Nom	Rc	h	L	H
1/2"		1/2"	15.0	22.2	23.5
3/4"		3/4"	16.2	27.9	25.0
1"		1"	19.0	35.2	28.4
1 1/4"		1 1/4"	20.3	44.0	31.6
1 1/2"		1 1/2"	20.9	53.2	35.0
2"		2"	22.1	61.5	41.3

PP Female Cap



Size	Nom	Rc	D	L	H
1/2"		1/2"	29.8	16.5	20.6
3/4"		3/4"	37.7	16.6	22.7
1"		1"	46.0	18.5	27.4
1 1/4"		1 1/4"	54.2	20.8	29.6
1 1/2"		1 1/2"	62.0	23.0	32.4
2"		2"	78.5	25.5	37.5

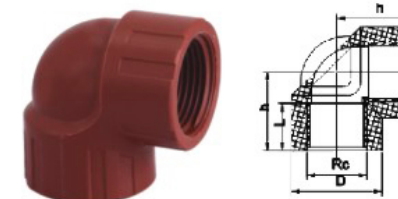
PP threaded pipe and fittings series

Long Nipple



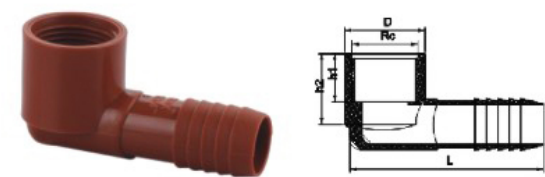
Size	Nom	d	Rc	L	H
1/2" x 6cm		12.4	1/2"	16.5	6cm
3/4" x 6cm		17.2	3/4"	16.6	6cm
1" x 6cm		22.5	1"	18.5	6cm
1 1/4" x 10cm		30.2	1 1/4"	20.8	10cm
1 1/2" x 10cm		35.4	1 1/2"	23.0	10cm
2" x 10cm		41.6	2"	25.5	10cm

Female Elbow(B)



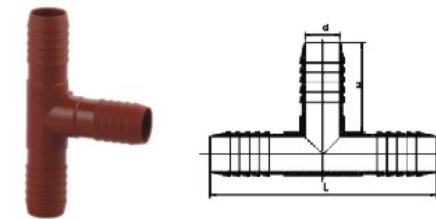
Size	Nom	Rc	D	L	H
1/2"		1/2"	28.6	15.8	25.7
3/4"		3/4"	35.5	18.3	31.7
1"		1"	44.5	22.0	39.0

Reducing Spigot Female Elbow



Size	Nom	Rc	d	D	h1	h2	L
20 x 3/4"		3/4"	16.7	31.8	19.0	27.7	75.3

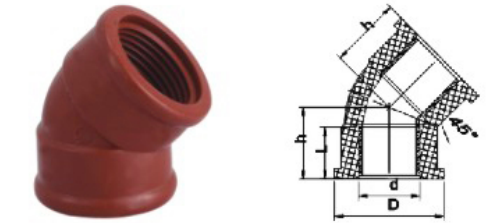
Tee Spigot



Size	Nom	d	L	H
20mm		16.7	104.6	42.0

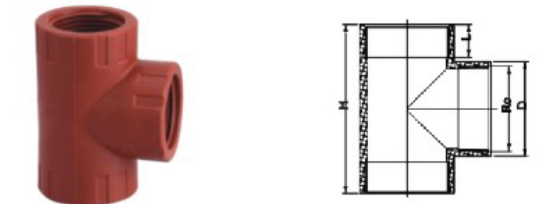
PP Threaded Pipe and Fittings Series

45 Deg Elbow



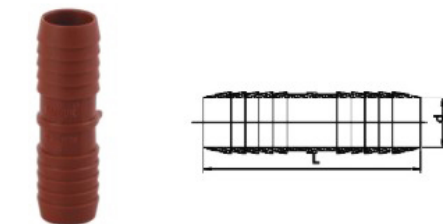
Size	Nom	D	d	L	h
1/2"		31.2	1/2"	14.5	24.5
3/4"		37.0	3/4"	17.5	30.0
1"		44.5	1"	19.0	37.4

PP Female Elbow



Size	Nom	Rc	D	L	H
1/2"		1/2"	28.6	15.8	53.7
3/4"		3/4"	35.5	18.3	63.3
1"		1"	44.5	22.0	79.0

Double Spigot



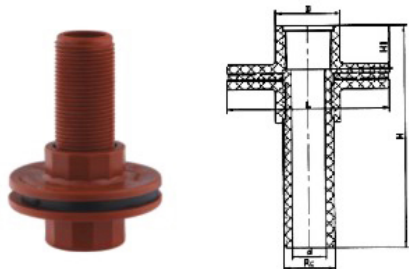
Size	Nom	d	L
20mm		16.7	70.5

Threading Tool



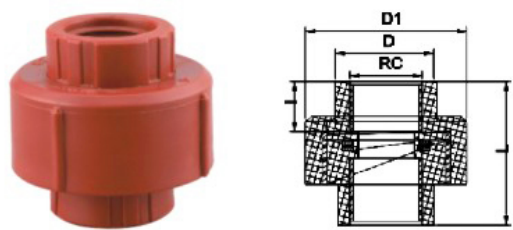
Size	Nom	Rc	D	L	H
1/2"		1/2"	70	18	300
3/4"		3/4"	70	18	300
1"		1"	70	18	300

Tank Adaptor



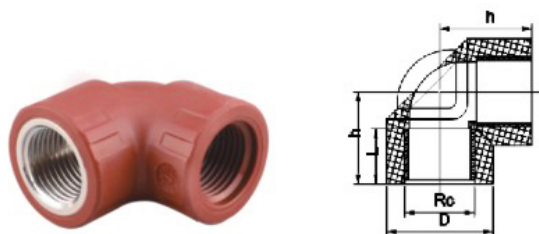
Size	Nom	d	D	Rc	L	H	H1
1/2"	14	26.5	1/2"	66	90	17.5	
3/4"	18.5	34	3/4"	66	92	18.5	
1"	25	41	1"	78	96.5	22	
1 1/2"	38.5	59	1 1/2"	98	97	23.5	
2"	48.8	70.1	2"	107.9	99	25.5	

PP Female Union(B)



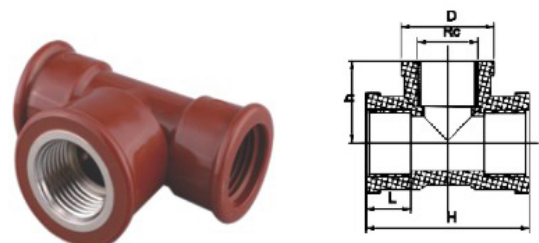
Size	Nom	D	D1	Rc	L	I
1/2"	28.0	51.0	1/2"	53.0	18.0	
3/4"	33.6	58.0	3/4"	57.5	20.0	
1"	43.2	65.7	1"	59.4	22.0	

Female Elbow with Brass(B)



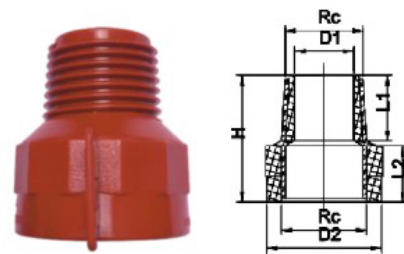
Size	Nom	Rc	D	L	H
1/2"	1/2"	32.0	15.5	30.4	

Female Elbow with Brass(B)



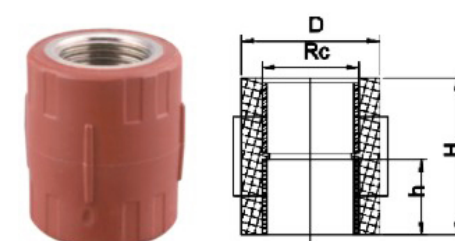
Size	Nom	Rc	D	L	H	h
1/2"	1/2"	35.6	16.5	64.2	33.4	

Reducer



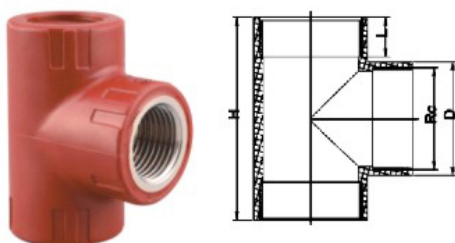
Size	Nom	D1	D2	Rc	L1	L2	H
1/2"	13.6	28.0	1/2"	15.0	13.2	31.5	

Female Coupling with Brass(B)



Size	Nom	Rc	D	h	H
1/2"	1/2"	31.8	17.2	38.1	

PP Female Tee with Brass(B)



Size	Nom	Rc	D	L	H
1/2"	1/2"	31.8	17.2	38.1	

PP Pipe

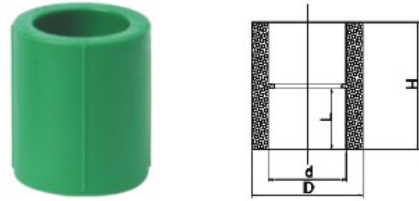


Size	1/2" x 3.4	3/4" x 3.9	1" x 4.9	1 1/4" x 5.5	1 1/2" x 6.9	2" x 8.6
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PPR Pipe and Fittings Series

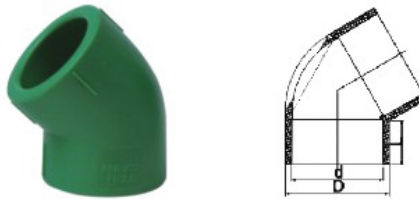


Coupling



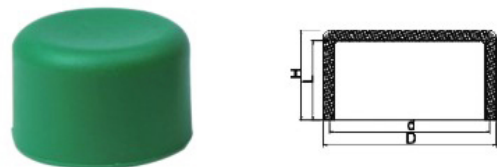
Size	Nom	D	d	L	H
20	27.4	19	15.7	34.3	
25	34.8	24	17.5	38	
32	42.4	30.9	19.2	41.8	
40	52.5	38.8	22.1	47.3	
50	66.3	48.9	25.1	53.8	
63	83.3	61.7	29.1	61.3	
75	99.2	73.4	32	68.4	
90	119.0	88.8	36	77	
110	147	108.3	42	89.8	

45 Deg Elbow



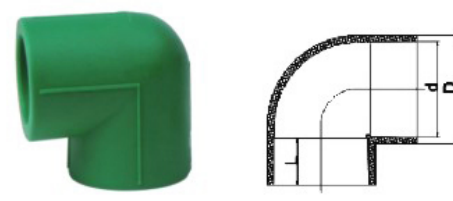
Size	Nom	d	D	L
20	19.0	27.4	15.8	
25	24.0	34.8	18.1	
32	31.0	42.4	20.1	
40	38.8	52.1	22.1	
50	48.9	65.7	25.1	
63	61.7	83.1	28.0	
75	73.4	99.0	30.4	
90	88.8	119.6	35.1	
110	108.3	146.7	42.0	

Cap



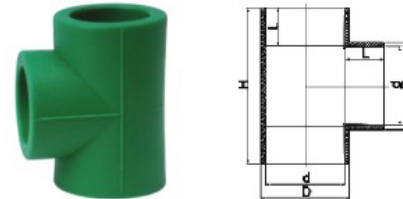
Size	Nom	d	D	L	H
20	19.0	27.4	16.1	23.3	
25	24.0	33.2	18.5	23.5	
32	30.9	42.6	20.1	30.2	
40	38.8	52.5	22.1	31.2	
50	48.9	66.1	25.1	35.3	
63	61.7	82.7	28.7	41.4	
75	73.4	99.2	34.2	53.2	

90 Deg Elbow



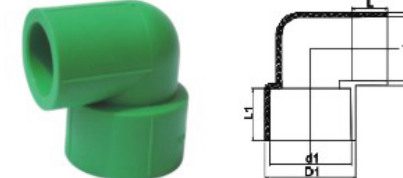
Size	Nom	D	d	L
20	19.0	27.4	16.1	
25	24.0	34.4	18.1	
32	31.0	42.1	20.1	
40	38.8	52.6	21.7	
50	48.9	66.1	25.1	
63	61.7	83.1	28.4	
75	73.4	99.2	32.0	
90	88.8	119.0	36.0	
110	108.3	146.7	42.0	

Tee



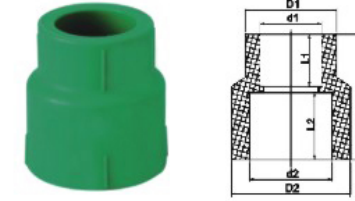
Size	Nom	d	D	L	H
20	19	27.3	14.6	50.4	
25	24	34.8	18.1	63	
32	30.9	42.4	20.1	74	
40	38.8	51.5	21.5	79.5	
50	48.9	64.8	23.8	97.2	
63	61.7	79.7	27.0	114.6	
75	73.4	99.2	32.0	141.7	
90	88.8	120.0	36.0	168.3	
110	108.3	146.0	42.0	197.4	

Reducing Elbow



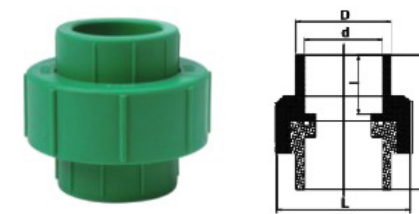
Size	Nom	d	d1	D	D1	L	L1
L25 × 20	19.0	24.0	27.4	34.8	16.1	18.1	
L32 × 20	19.0	30.9	27.4	42.4	16.1	20.1	
L32 × 25	24.0	30.9	34.8	42.4	18.1	20.1	
L40 × 20	19.0	38.8	27.4	52.6	16.1	22.1	
L40 × 25	24.0	38.8	34.8	52.6	18.1	22.1	
L40 × 32	30.9	38.8	42.4	52.6	20.1	22.1	
L50 × 20	19.0	48.9	27.4	66.0	16.1	25.1	
L50 × 25	24.0	48.9	34.8	66.0	18.1	25.1	
L50 × 32	30.9	48.9	42.4	66.0	20.1	25.1	
L50 × 40	38.8	48.9	52.6	66.1	22.1	25.1	
L63 × 20	19.0	61.7	27.4	82.7	16.1	29.1	
L63 × 25	24.0	61.7	34.8	82.7	18.1	29.1	
L63 × 32	30.9	61.7	42.4	82.7	20.1	29.1	
L63 × 40	38.8	61.7	53.0	83.1	22.1	29.1	
L63 × 50	48.9	61.7	66.7	83.1	25.1	29.1	

Reducing Socket



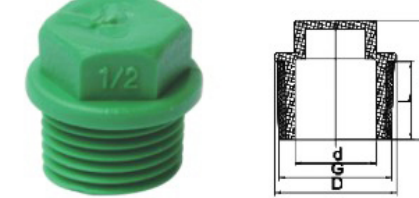
Size	Nom	d1	d2	D1	D2	L1	L2	H
S25 × 20	19.0	24.0	27.4	34.8	16.1	18.1	34.4	
S32 × 20	19.0	30.9	27.4	42.4	16.1	20.1	38.0	
S32 × 25	24.0	30.9	34.8	42.4	17.4	20.1	39.6	
S40 × 20	19.0	38.8	27.4	52.6	16.1	22.1	50.0	
S40 × 25	24.0	38.8	34.8	52.6	18.1	22.1	49.6	
S40 × 32	30.9	38.8	42.4	52.6	20.1	22.1	44.3	
S50 × 25	24.0	48.9	34.8	66.0	18.1	25.1	57.0	
S50 × 32	30.9	48.9	42.4	66.0	20.1	25.1	56.0	
S50 × 40	38.8	48.9	52.6	66.1	22.1	25.1	50.2	
S63 × 20	19.0	61.7	27.4	82.7	16.1	29.1	62.5	
S63 × 25	24.0	61.7	34.8	82.7	18.1	29.1	62.7	
S63 × 32	30.9	61.7	42.4	82.7	20.1	29.1	63.4	
S63 × 40	38.8	61.7	53.0	83.1	22.1	29.1	63.3	
S63 × 50	48.9	61.7	66.7	83.1	25.1	29.1	56.7	

Union



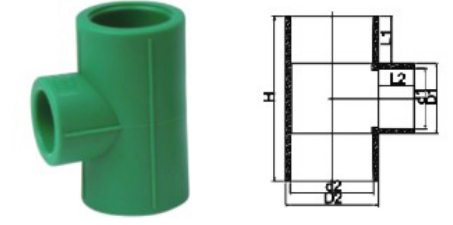
Size	Nom	d	D	I	L	H
20	19.0	27.4	16.1	52.3	48.6	
25	24.0	34.8	18.4	57.3	51.9	
32	30.3	41.0	27.4	62.8	64.2	
40	38.8	52.0	31.0	82.2	86.4	
50	46.9	61.5	34.0	98.3	90.5	
63	58.5	75.8	38.6	120.0	107.0	

Plug



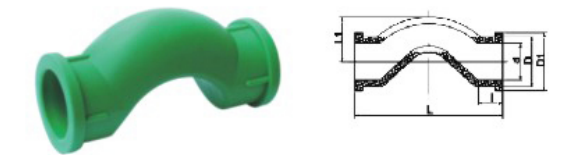
Size	Nom	d	D	G	L	H
20 × 1/2"M	14.8	22.2	1/2"	13.4	21.4	
25 × 3/4"M	16.5	32.6	3/4"	12.8	22.9	
32 × 1"M	25.4	35	1"	14.6	24.6	

Reducing Tee



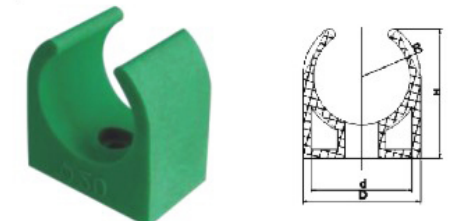
Size	Nom	d1	d2	D1	D2	L1	L2	H
25 × 20*25	19.0	23.0	27.2	34.3	16.4	15.5	52.3	
32 × 20*32	19.0	30.9	27.4	42.4	17.8	16.1	55.7	
32 × 25*32	24.0	30.9	34.8	42.4	20.1	17.5	64.2	
40 × 20*40	19.0	38.8	28	52.6	22.1	16.1	65.8	
40 × 25*40	24.0	38.8	35.3	52.6	22.1	18.1	70.8	
40 × 32*40	30.9	38.8	42.4	52.6	22.1	21.2	81.0	
50 × 20*50	19.0	48.9	28.2	66.1	25.1	16.0	75.2	
50 × 25*50	24.0	48.9	35.4	66.1	25.1	18.1	77.0	
50 × 32*50	30.9	48.9	42.8	66.1	25.1	20.1	83.4	
50 × 40*50	38.8	48.9	53.0	66.1	25.1	22.1	94.7	
63 × 20*63	19.0	61.7	28.0	83.1	29.1	18.1	83.4	
63 × 25*63	24.0	61.7	35.4	83.1	29.1	18.1	84.4	
63 × 32*63	30.9	61.7	42.4	83.1	29.1	20.1	91.2	
63 × 40*63	38.8	61.7	52.6	83.1	29.1	22.1	103.0	
63 × 50*63	52.6	61.7	66.1	83.1	29.1	25.1	112.6	
75 × 20*75	19.0	73.4	28.3	99.2	32.0	16.3	89.2	
75 × 25*75	24.0	73.4	35.4	99.2	32.0	18.1	92.5	
75 × 32*75	30.9	73.4	42.4	99.2	32.0	20.9	97.8	
75 × 40*75	38.8	73.4	53.2	100.3	32.0	22.1	106.7	
75 × 50*75	52.6	73.4	66.1	99.2	32.0	25.1	119.9	
75 × 63*75	61.7	73.4	83.1	99.2	32.0	29.1	130.0	

Bend



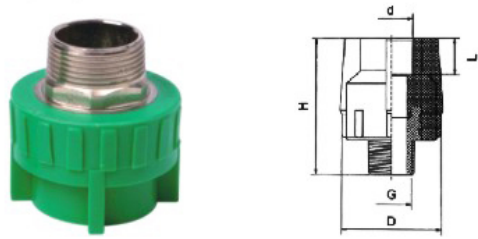
Size	Nom	d	D	D1	I	L1	L
20	19.0	28.0	32.3	15.3	27.4	77.4	
25	24.0	33.0	38.1	17.9	32.0	97.3	
32	30.9	37.5	42.4	17.0	33.1	100.9	

Pipe clamp



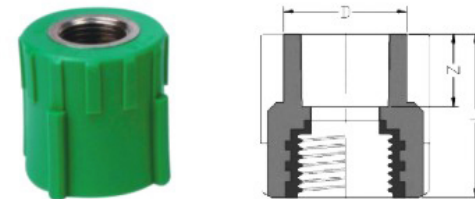
Size	Nom	d	D	R	H
16	16	20.2	15	11.5	
20	20.5	24	19.5	26	
25	25	29.4	24.3	31.4	
32	32.2	36.3	30.8	37.8	
40	40	44.1	38.6	46.3	

Male Coupling



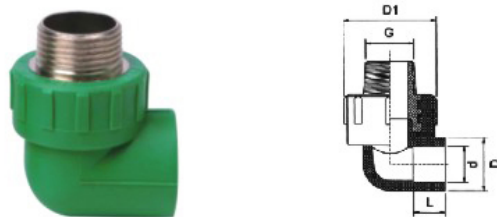
Size	Nom	D	d	G	H	L
20 × 1/2"	19	44	1/2"	61.7	16.1	
25 × 1/2"	24	44	1/2"	62	18.1	
25 × 3/4"	24	43.4	3/4"	61.5	18.1	
32 × 1/2"	30.5	46.4	1/2"	64	20.1	
32 × 3/4"	30.5	49.1	3/4"	62	20.1	
32 × 1"	30.9	64.4	1"	78.3	20.1	
40 × 1 1/4"	38.8	76.8	1 1/4"	93.5	22.1	
50 × 1 1/2"	48.9	86	1 1/2"	94.4	25.1	
63 × 2"	61.7	95	2"	112	29.1	

Female Coupling



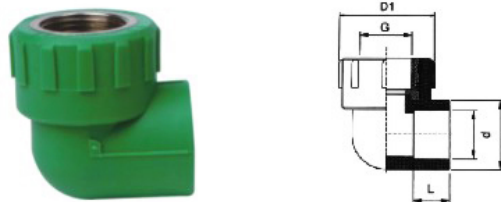
Size	Nom	D	Z	L
20 × 1/2"	28	39.8	16.9	
25 × 1/2"	32.9	41.7	17.6	
25 × 3/4"	34.3	42.3	18.6	
32 × 1/2"	42.7	44.3	18.3	
32 × 3/4"	42.3	45.8	18	
32 × 1"	42.3	47	18	
40 × 1 1/4"	52.6	48.6	20.2	
50 × 1 1/2"	64.7	49.8	22.4	
63 × 2"	83.3	51.4	25.1	

Male Elbow



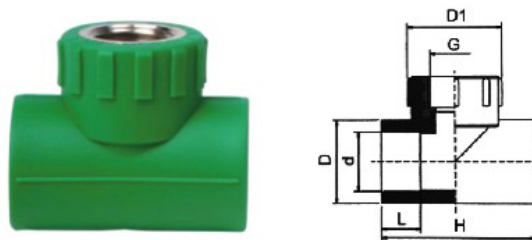
Size	Nom	d	D	G	D1	L
20 × 1/2"	19	27.4	1/2"	38	17.8	
20 × 3/4"	19	27.4	3/4"	44	18.8	
25 × 1/2"	24	34.8	1/2"	39	17.8	
25 × 3/4"	24	34.8	3/4"	44	18.8	
32 × 1/2"	30.6	42.6	1/2"	38.7	18.1	
32 × 3/4"	30.6	42.6	3/4"	44.8	18.8	
32 × 1"	30.6	42.6	1"	53.3	18	
40 × 1 1/4"	38.8	52.5	1 1/4"	62.4	20.1	
50 × 1 1/2"	48.9	66.3	1 1/2"	69.8	21.7	
63 × 2"	61.7	83.3	2"	79.2	25.1	

Female Elbow



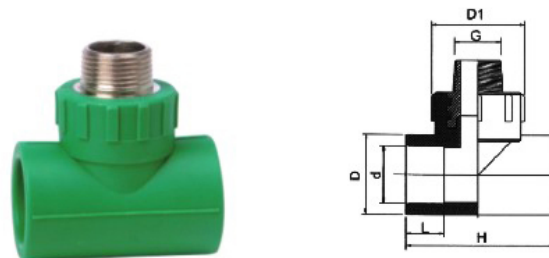
Size	Nom	d	D	G	D1	L
20 × 1/2"	19	27.4	1/2"	38	17.8	
20 × 3/4"	19	27.4	3/4"	44	18.8	
25 × 1/2"	24	34.8	1/2"	39	17.8	
25 × 3/4"	24	34.8	3/4"	44	18.8	
32 × 1/2"	30.6	42.6	1/2"	38.7	18.1	
32 × 3/4"	30.6	42.6	3/4"	44.8	18.8	
32 × 1"	30.6	42.6	1"	53.3	18	
40 × 1 1/4"	38.8	52.5	1 1/4"	62.4	20.1	
50 × 1 1/2"	48.9	66.3	1 1/2"	69.8	21.7	
63 × 2"	61.7	83.3	2"	79.2	25.1	

Female Tee



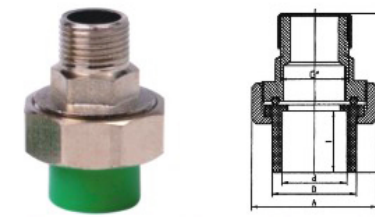
Size	Nom	d	D	G	D1	L	H
20 × 1/2"	19	27.4	1/2"	38.3	15.8	55	
20 × 3/4"	19	27.4	3/4"	44.8	18.5	57.5	
25 × 1/2"	24	34.8	1/2"	38.3	18.4	59	
25 × 3/4"	24	34.8	3/4"	44.8	18.5	62.6	
32 × 1/2"	30.6	42.6	1/2"	38.3	19.5	66.5	
32 × 3/4"	30.6	42.6	3/4"	44.8	18.5	70.7	
32 × 1"	30.6	42.6	1"	52.2	19.2	76.1	
40 × 1 1/4"	38.8	52.5	1 1/4"	62.4	20.1	79.5	
50 × 1 1/2"	48.9	66.3	1 1/2"	69.8	21.7	97.2	
63 × 2"	61.7	83.3	2"	79.2	25.1	114.6	

Male Tee



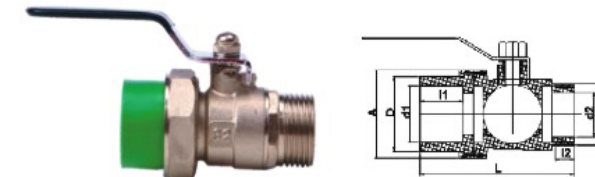
Size	Nom	d	D	G	D1	L	H
20 × 1/2"	19	27.4	1/2"	38.3	15.8	55	
20 × 3/4"	19	27.4	3/4"	44.8	18.5	57.5	
25 × 1/2"	24	34.8	1/2"	38.3	18.4	59	
25 × 3/4"	24	34.8	3/4"	44.8	18.5	62.6	
32 × 1/2"	30.6	42.6	1/2"	38.3	19.5	66.5	
32 × 3/4"	30.6	42.6	3/4"	44.8	18.5	70.7	
32 × 1"	30.6	42.6	1"	52.2	19.2	76.1	
40 × 1 1/4"	38.8	52.5	1 1/4"	62.4	20.1	79.5	
50 × 1 1/2"	48.9	66.3	1 1/2"	69.8	21.7	97.2	
63 × 2"	61.7	83.3	2"	79.2	25.1	114.6	

Male Union



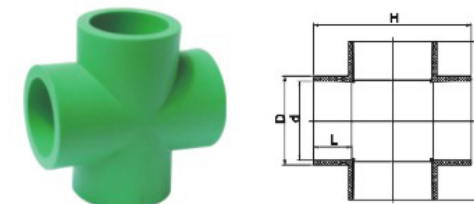
Size	Nom	d	D	A	I	L	G
20 × 1/2"M	19	26.4	39.3	16	53.6	1/2"	
25 × 3/4"M	24	34.5	50.2	17.7	59.7	3/4"	
32 × 1"M	30.9	42.5	59.9	19.3	67	1"	
40 × 1 1/4"M	38.8	52.1	74.2	21	73	1 1/4"	
50 × 1 1/2"M	48.9	65.4	91.2	24	80.5	1 1/2"	
63 × 2"M	61.7	79	104	27	89.2	2"	

Male Brass Ball Cock



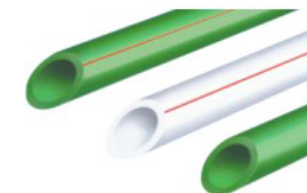
Size	Nom	d1	d2	D	G	A	I1	I2	L
20 × 1/2"M	18.6	20.0	25.2	1/2"	28.6	16.8	9.2	59.4	
25 × 3/4"M	23.7	25.5	31.2	3/4"	38.9	18.0	10.6	65.2	
32 × 1"M	30.9	31.9	39.5	1"	48.1	19.9	11.0	73.6	

Straight Cross



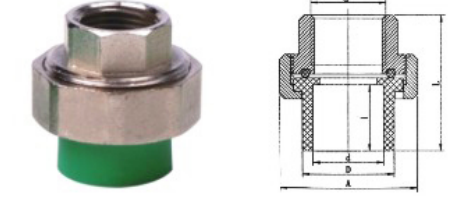
Size	Nom	d	D	L	H
20	19.0	27.4	16.0	53.0	
25	24.0	34.8	18.0	63.0	
32	31.0	42.4	20.0	74.0	
40	38.8	51.5	21.5	79.5	
50	48.9	64.8	23.8	97.2	
63	61.7	79.7	27.0	114.6	

PPR Pipe



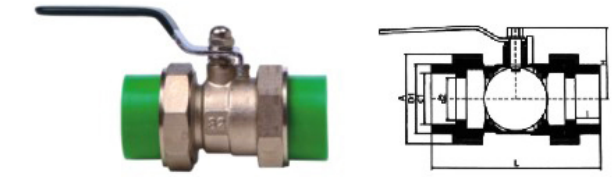
Size								
1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"

Female Union



Size	Nom	d	D	A	I	L	G
20 × 1/2"F	19	27.8	43.7	16	42.6	1/2"	
25 × 3/4"F	24	34.5	50.2	17.7	46	3/4"	
32 × 1"F	30.9	42.5	59.9	19.3	49	1"	
40 × 1 1/4"F	38.8	52.1	74.2	21	53.5	1 1/4"	
50 × 1 1/2"F	48.9	65.4	91.2	24	57	1 1/2"	
63 × 2"F	61.7	79	104	27	63	2"	

True Union Ball Cock



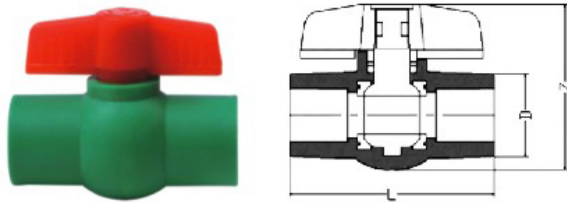
Size	Nom	d1	d2	D1	I	L	H	A
20	19	15	27.4	19	92.8	37.5	40.5	
25	24	20	34.8	19	101.2	45.2	48.4	
32	30.9	26.9	42.4	21	114.5	51.7	57.3	
40	38.8	32	52.6	22.7	144.1	62	75.1	
50	48.9	42	66.1	25.7	175.8	69.8	92.7	
63	61.7	51	83	29.7	202.8	86.25	108	

Welding Machine



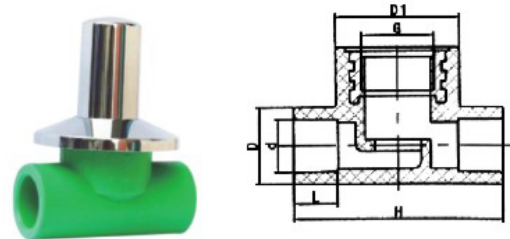
Size	
20-32	20-63

Ball Valve



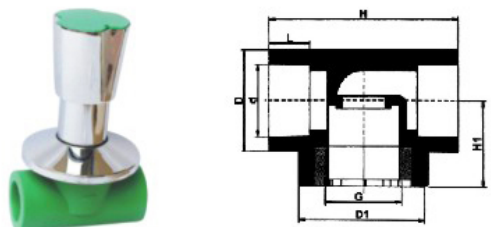
Size	Nom	D	L	Z
20		27.3	80.5	72.5
25		34.8	86.5	75.3
32		42.2	92.1	78.6
40		51.5	97.5	83.6
50		64.8	103.2	90.1
63		79.7	109.5	100.5

Concealed Valve



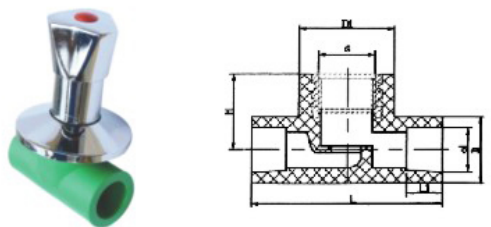
Size	Nom	d	D	D1	L	H
20		19	28	44.8	16	73.6
25		24	33.2	56	16.5	80.5
32		30.9	43.2	53.5	17.3	80.5

New Luxurious Stop Valve



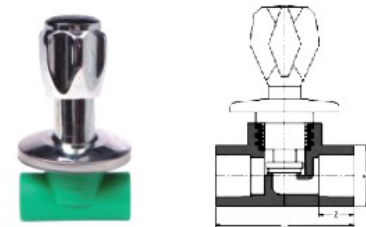
Size	Nom	d	D	D1	L	H	H1
20		19	28	44.8	16	73.6	29.4
25		24	33.2	56	16.5	80.5	35.9
32		30.9	43.2	53.5	17.3	80.5	36.4

New Luxurious Stop Valve(II)



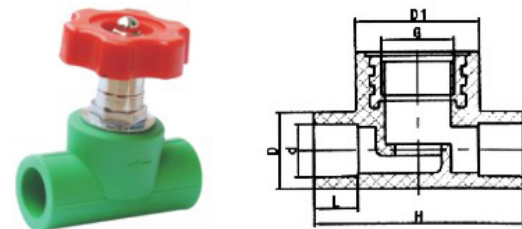
Size	Nom	d	D	D1	L	L1	H1
20		19	28.6	34.8	70.7	16.1	29.4
25		24	36.4	44.7	83	18.1	35.9
32		31	43	45.2	86.51	20.1	36.4

Stop Valve



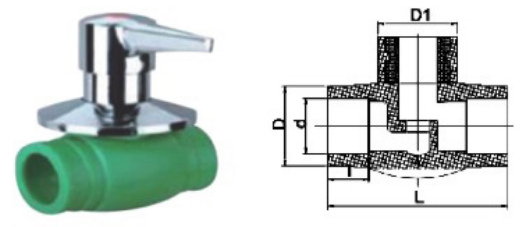
Size	Nom	D	L	Z
20		28	73.6	16
25		33.2	80.5	16.5
32		43.2	87.5	17.3

Heavy Stop Valve



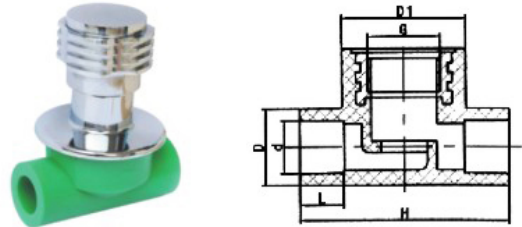
Size	Nom	d	D	G	D1	L	H
20		19	28.6	1/2"	34.8	16.1	70.7
25		24	36.4	3/4"	44.7	18.1	83
32		31	43	3/4"	45.2	20.1	86.5
40		38.6	55.6	1"	55.5	22.5	97.4
50		48.9	70.1	1 1/4"	66.3	25.5	121.6
63		61.7	87.1	1 1/2"	74.8	28.7	133.1

Luxury Ball Valve



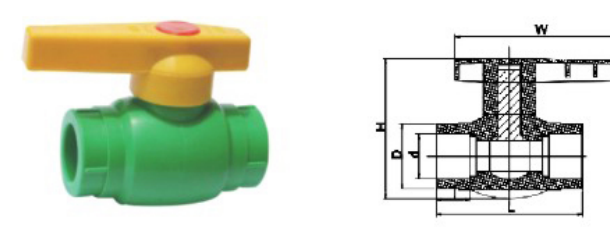
Size	Nom	d	D	I	L	D1
20		19	28	16.1	76.2	45
25		24	35.5	18.1	81	46
32		31	43.2	20.4	88.3	47

New Luxurious Stop Valve(II)



Size	Nom	d	D	D1	L	H
20		19	28	45	16.1	76.2
25		24	35.5	46	18.1	81
32		31	43.2	47	20.4	88.3

Ball Valve (Plastic, Brass, Steel)



Size	Nom	d	D	I	L	H	W
20		19	27.3	14.6	73.4	68.1	86.3
25		24	34.8	17.7	77.3	72.5	90.0
32		30.9	42.4	20.1	79.5	74.4	93.4
40		38.8	51.5	21.5	83.1	78.2	95.3
50		48.9	64.8	23.8	88.6	83.0	98.0
63		61.7	79.7	27.0	94.3	90.2	101.5

Double Tee



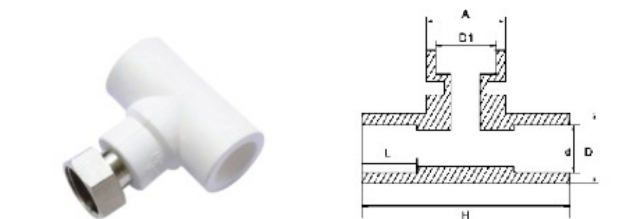
Size	Nom	G	D	R1	R2	L1	L	H
20 x 1/2"M		1/2"	39	19	29.8	16.4	147	48.9
25 x 3/4"M		1/2"	39	24	36	18.7	152	56.6

Union Elbow



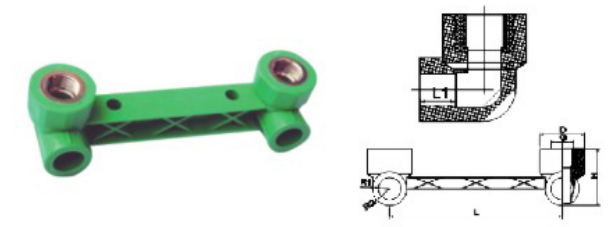
Size	Nom	D	d	L	D1	H	A
20 x 1/2"		27	19	16	1/2"	52	43
25 x 1/2"		34	24	18	1/2"	58	43
25 x 3/4"		34	24	18	3/4"	60	50
32 x 1"		58	42	20	1"	65	64

Union Tee



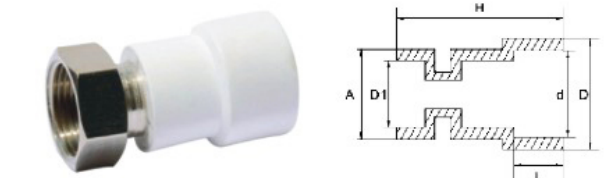
Size	Nom	D	d	L	D1	H	A
20 x 1/2"		27	19	16	1/2"	56	43

Double Elbow



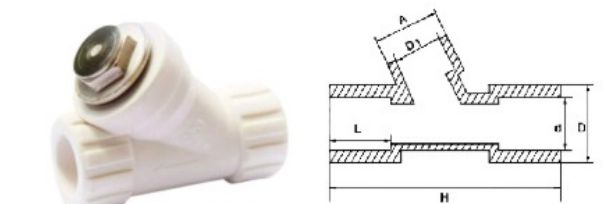
Size	Nom	G	D	R1	R2	L1	L	H
20 x 1/2"M		1/2"	39	19	29.8	16.4	147	48.9
25 x 3/4"M		1/2"	39	24	36	18.7	152	56.6

Union Coupler



Size	Nom	A	D	d	L	D1	H
20 x 1/2"M		43	27	19	16	1/2"	52
25 x 3/4"M		50	34	24	17.7	3/4"	58
32 x 1"M		58	42	30	19.3	1"	64

Filter



Size	Nom	D	d	L	D1	H	A
20 x 1/2"		27	19	16	1/2"	56	43
20 x 3/4"		27	19	16	3/4"	62	47
25 x 1/2"		34	24	18	1/2"	64	43
25 x 3/4"		34	24	18	3/4"	64	48
32 x 1"		42.5	30	20	1"	80	63

PE Pipes & Fittings



Butt welding PE fitting

PE Pipes & Fittings

45° Elbow



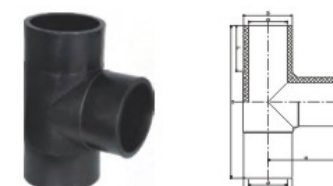
Size (mm)					
75	90	110	125	160	200
225	250	280	315	355	400
450	500	560	630	355	400

90° Elbow



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

Tee



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

Reducing Tee



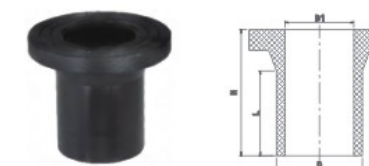
Size (mm)					
63 × 50	75 × 50	75 × 63	90 × 50	90 × 63	90 × 75
110 × 50	110 × 63	110 × 75	110 × 90	125 × 50	125 × 63
125 × 75	125 × 90	125 × 110	140 × 63	140 × 75	140 × 90
140 × 110	140 × 125	160 × 50	160 × 63	160 × 75	160 × 110
180 × 110	180 × 125	180 × 140	180 × 160	200 × 63	200 × 75
200 × 90	200 × 110	200 × 160	225 × 110	225 × 160	225 × 200
250 × 110	250 × 160	250 × 200	280 × 110	280 × 160	280 × 200
280 × 250	315 × 110	315 × 160	315 × 200	315 × 225	315 × 250
355 × 160	355 × 200	355 × 250	355 × 280	355 × 315	400 × 110
400 × 160	400 × 200	400 × 250	400 × 315	450 × 315	450 × 400
500 × 110	500 × 160	500 × 200	500 × 250	500 × 315	500 × 400
630 × 110	630 × 160	630 × 200	630 × 250	630 × 315	630 × 400
630 × 500					

End Cap



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

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

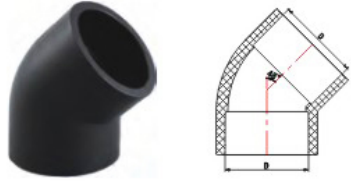
Reducing Socket



Size (mm)					
75 × 63	90 × 50	90 × 63	90 × 75	110 × 50	110 × 63
110 × 75	110 × 90	125 × 75	125 × 90	125 × 110	160 × 63
160 × 75	160 × 90	160 × 110	160 × 125	180 × 90	180 × 140
200 × 90	200 × 110	200 × 160	225 × 110	225 × 160	225 × 200
250 × 110	250 × 160	250 × 200	315 × 110	315 × 160	315 × 200
315 × 250	400 × 315	500 × 400	630 × 500		

Socket Welding PE fitting

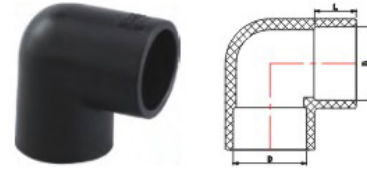
45° Elbow



Size (mm)

20	25	32	40	50	63
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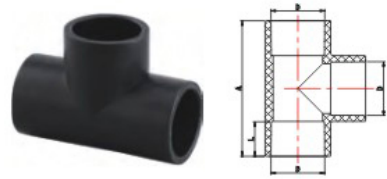
90° Elbow



Size (mm)

20	25	32	40	50	63
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Tee



Size (mm)

20	25	32	40	50	63
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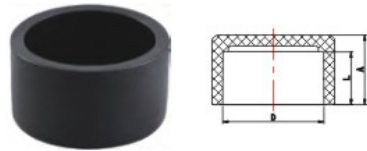
Reducing Tee



Size (mm)

25 × 20	32 × 20	32 × 25	40 × 20	40 × 25	40 × 32
50 × 20	50 × 25	50 × 32	50 × 40	63 × 20	63 × 25
63 × 32	63 × 40	63 × 50			

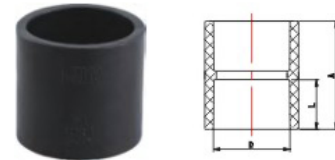
End Cap



Size (mm)

20	25	32	40	50	63
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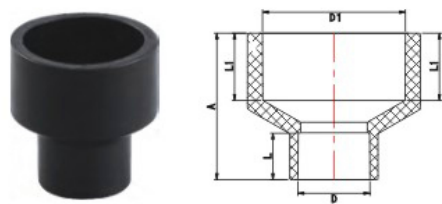
Socket



Size (mm)

20	25	32	40	50	63
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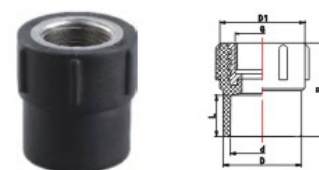
Reducing Socket



Size (mm)

25 × 20	32 × 20	32 × 25	40 × 20	40 × 25	40 × 32
50 × 20	50 × 25	50 × 32	50 × 40	63 × 20	63 × 25
63 × 32	63 × 40	63 × 50			

Female Socket



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
40 × 1 1/4"	40 × 1 1/2"	50 × 1 1/2"	63 × 2"		

Butt welding PE fitting

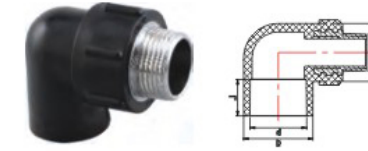
Male Socket



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
40 × 1 1/4"	40 × 1 1/2"	50 × 1 1/2"	63 × 2"		

Male Elbow



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
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Male Tee



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
-----------	-----------	-----------	-----------	-----------	---------

Female Elbow



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
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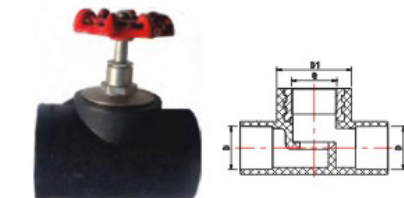
Female Tee



Size (mm)

20 × 1/2"	25 × 1/2"	25 × 3/4"	32 × 1/2"	32 × 3/4"	32 × 1"
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Stop Valve



Size (mm)

20	25	32	40	50	63
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PE Electrofusion Fittings



Electrofusion fitting Series

PE Electrofusion Fittings

PE Pipe for Gas Supply



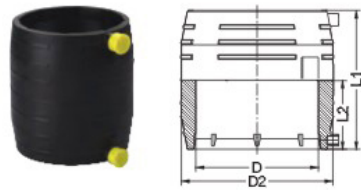
Nominal OD (mm)	Minimum wall thickness (mm)		
	SDR11	SDR17	SDR17.6
20	3.0	2.3	2.3
25	3.0	2.3	2.3
32	3.0	2.3	2.3
40	3.7	2.4	2.3
50	4.6	3.0	2.9
63	5.8	3.8	3.6
75	6.8	4.5	4.3
90	8.2	5.4	5.2
110	10.0	6.6	6.3
125	11.4	7.4	7.1
140	12.7	8.3	8.0
160	14.6	9.5	9.1
180	16.4	10.7	10.3
200	18.2	11.9	11.4
225	20.5	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



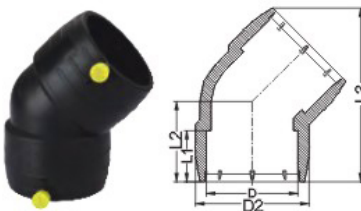
Nominal OD (mm)	Minimum wall thickness (mm)				
	SDR9	SDR11	SDR13.6	SDR17	SDR21
20	2.3	2.0			
25	3.0	2.3	2.0		
32	3.6	3.0	2.4	2.0	
40	4.5	3.7	3.0	2.4	2.0
50	5.6	4.6	3.7	3.0	2.4
63	7.1	5.8	4.7	3.8	3.0
75	8.4	6.8	5.6	4.5	3.6
90	10.1	8.2	6.7	5.4	4.3
110	12.3	10.0	8.1	6.6	5.3
125	14.0	11.4	9.2	7.4	6.0
140	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

Coupling



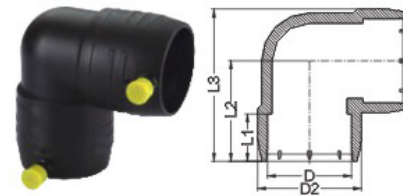
Size	D2	L1	L2
20	31	80	39.5
25	36	81	40
32	43	87	43
40	52	87	43
50	63	87	43
63	79	114	56
75	96	126	62
90	113	135	66.5
110	138	151	74.5
125	157	172	85
160	200	184	91
180	225	191	94.5
200	250	223	110.5
225	278	235	116.5
250	312	248	123
280	348	262	130
315	392	285	141.5
400	499	328	163
500	617	364	181

45° Elbow



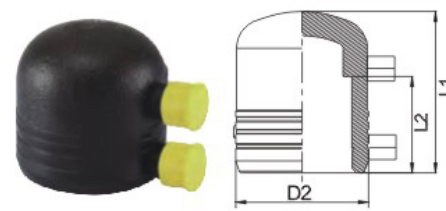
Size	D2	L1	L2	L3
20	31	39.5	50	94.3
25	36	40	51	98
32	43	43	55	107
40	52	43	57	114.5
50	63	43	59	121.6
63	79	56	81	164
75	96	62	88	181
90	113	66.5	96	199
110	138	74.5	109	230
125	157	85	128	268.5
160	200	91	142.5	307.8
180	225	94.5	155	336.3
200	250	110.5	177	382.7

90 Deg Elbow



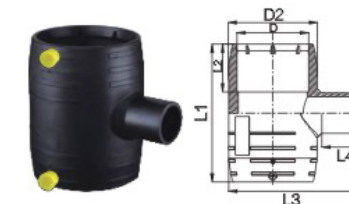
Size	D2	L1	L2	L3
20	31	39.5	56	70.8
25	36	40	58	75.8
32	43	43	65	76.4
40	52	43	70	96
50	63	43	75	106.5
63	79	56	97	136.5
75	96	62	112	160
90	113	66.5	124	180.3
110	138	74.5	145	214
125	157	85	165	243.2
160	200	91	194	294
180	225	94.5	210	322.6
200	250	110.5	240	365.6

End Cap



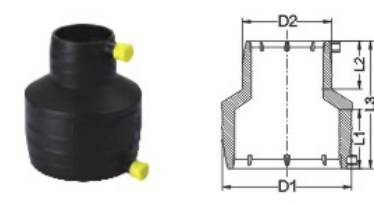
Size	D2	L1	L2
20	31	68	39.5
25	36	68	40
32	43	68	43
40	52	68	43
50	63	76	43
63	79	88	56
75	96	105.6	62
90	113	111	66.5
110	138	132	74.5
125	157	158.4	85
160	200	168	91
200	250	201.6	110.5

Reducing Tee



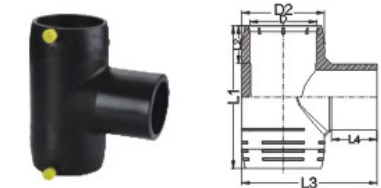
Size	D2	L1	L2	L3	L4
25 x 20	36	102	40	85.2	45
32 x 20	43	108	43	92.3	45
32 x 25	43	113	43	92.3	45
40 x 20	52	108	43	101.4	45
40 x 25	52	113	43	101.4	45
40 x 32	52	120	43	106.4	50
50 x 20	63	108	43	112.4	45
50 x 25	63	113	43	112.4	45
50 x 32	63	120	43	117.4	50
50 x 40	63	128	43	122.4	55
63 x 20	79	135	56	128.5	45
63 x 25	79	140	56	128.5	56
63 x 32	79	147	56	133.5	50
63 x 40	79	155	56	138.5	55
63 x 50	79	165	56	144.5	60
75 x 63	100.5	202	62	183.2	75
90 x 32	113	168	66.5	167	50
90 x 40	113	176	66.5	172	55
90 x 50	113	186	66.5	178	60
90 x 63	113	199	66.5	190.5	70
110 x 32	138	184	74.5	192.2	50
110 x 40	138	192	74.5	197.2	55
110 x 50	138	202	74.5	203	60
110 x 63	138	215	74.5	215.7	70
110 x 75	138	227	74.5	221	75
110 x 90	138	242	74.5	232	85
125 x 63	156	236	85	235	70
125 x 75	156	248	85	240	75
125 x 90	156	263	85	251	85
125 x 110	156	283	85	259	90
160 x 63	200	248	91	278	70
160 x 90	200	275	91	295	85
160 x 110	200	295	91	303	90
200 x 63	250	315	110.5	329	70
200 x 90	250	315	110.5	345	85
200 x 110	250	38.5	110.5	353	90
200 x 160	250	38.5	110.5	378	110

Reducer



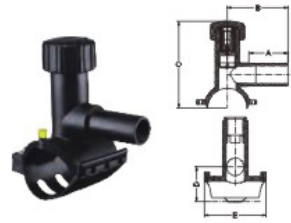
Size	D1	D2	L1	L2	L3
25 x 20	36	31	40	39.5	85.5
32 x 25	43	36	43	40	90
32 x 20	43	31	43	39.5	90.5
40 x 32	52	43	43	43	94
40 x 25	52	36	43	40	95
40 x 20	52	31	43	39.5	98.5
50 x 40	63	52	43	43	95.5
50 x 32	63	43	43	43	101
63 x 50	79	63	56	43	111.5
63 x 40	79	52	56	43	112.5
63 x 32	79	43	56	43	115.5
75 x 63	96	79	62	56	135
75 x 50	96	63	62	43	126.5
90 x 63	113	79	66.5	56	144.5
90 x 50	113	63	66.5	43	131.5
90 x 40	113	52	66.5	43	133.5
110 x 90	138	113	74.5	66.5	162
110 x 63	138	79	74.5	56	153.5
110 x 50	138	63	75.5	43	143.5
125 x 110	157	138	85	74.5	180.5
160 x 110	200	138	91	74.5	197.5
160 x 90	200	113	91	66.5	191.5
160 x 63	200	79	91	56	190
200 x 160	250	200	110.5	91	236.5
200 x 110	250	138	110.5	74.5	225
200 x 90	250	113	110.5	66.5	224.3

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

Tapping Tee



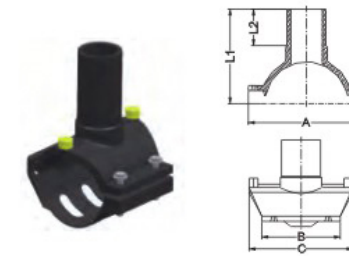
Size	A	B	C	D	E
40 × 20	62	110	120.2	52.2	88
40 × 25	65	110	120.2	52.2	88
40 × 32	68	110	120.2	52.2	88
63 × 20	62	128.2	183	64	136
63 × 25	65	128.2	183	64	136
63 × 32	68	128.2	183	64	136
63 × 40	71	121	183	64	136
63 × 50	100	143.5	203	74	136
63 × 63	93.5	143.5	203	74	136
75 × 20	62	128.2	193	70.9	165.6
75 × 25	65	128.2	193	70.9	165.6
75 × 32	68	128.2	193	70.9	165.5
75 × 40	71	212	193	70.9	165.5
90 × 20	62	128.2	196	77.3	165.4
90 × 25	65	128.2	196	77.3	165.4
90 × 32	68	128.2	196	77.3	165.4
90 × 40	71	121	196	77.3	165.4
90 × 50	100	160	238.3	88.5	165.4
90 × 63	93.5	160	238.3	88.5	165.4
110 × 20	62	128.2	206	87	165.2
110 × 25	65	128.2	206	87	165.2
110 × 32	68	128.2	206	87	165.2
110 × 40	71	121	206	87	165.2
110 × 50	100	160	243.3	93.5	165.2
110 × 63	93.5	160	243.3	93.5	165.2
110 × 90	85	160	251.5	112.2	195.2
125 × 20	62	138.2	213.7	94.7	167
125 × 25	65	138.2	213.7	94.7	167
125 × 32	68	138.2	213.7	94.7	167
125 × 40	71	131	213.7	94.7	167
125 × 50	100	160	251	101.2	167
125 × 63	93.5	160	251	101.2	167
160 × 20	62	138.2	231.3	112.3	170.1
160 × 25	65	138.2	231.3	112.3	170.1
160 × 32	68	138.2	231.3	112.3	170.1
160 × 40	71	131	231.3	112.3	170.1
160 × 50	100	160	268.5	118.8	170.1
160 × 63	93.5	160	268.5	118.8	170.1
160 × 90	85	160	276.8	137.3	260.2
160 × 110	90	180	302.7	150.8	260.2
180 × 20	62	138.2	241.4	122.3	170.4
180 × 25	65	138.2	241.4	122.3	170.4
180 × 32	68	138.2	241.4	122.3	170.4
180 × 40	71	131	241.4	122.3	170.4

Tapping Tee



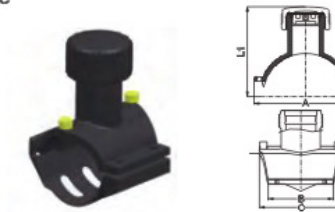
Size	A	B	C	D	E
180 × 50	100	170	251	128.8	170
180 × 63	93.5	170	251	128.8	170
200 × 20	62	138.2	257.4	138.3	170.8
200 × 25	65	138.2	257.4	138.3	170.8
200 × 32	68	138.2	257.4	138.3	170.8
200 × 40	71	131	257.4	138.3	170.8
200 × 50	100	170	289.6	139.8	170.8
200 × 63	93.5	170	289.6	139.8	170.8
200 × 90	85	160	297.8	158.3	260.4
200 × 110	90	180	332.7	171.8	260.4
225 × 20	62	138.2	270.6	151.5	170.9
225 × 25	65	138.2	270.6	151.5	170.9
225 × 32	68	138.2	270.6	151.5	170.9
225 × 40	71	131	270.6	151.5	170.9
225 × 50	100	170	307.8	158	170.9
225 × 63	93.5	170	307.8	158	170.9
225 × 90	85	160	309	171.9	260.8
225 × 110	90	180	337.3	185.4	260.8
250 × 20	62	176.4	323.3	176.5	263.9
250 × 25	65	178.6	323.3	176.5	263.9
250 × 32	68	179.2	323.3	176.5	263.9
250 × 40	71	175.3	323.3	176.5	263.9
250 × 50	100	170	323.3	176.5	263.9
250 × 63	93.5	170	323.3	176.5	263.9
250 × 90	85	160	324.6	187.4	264.9
250 × 110	90	180	350.3	198.4	264.9
280 × 20	62	176.4	338.3	191.5	264.2
280 × 25	65	178.6	338.3	191.5	264.2
280 × 32	68	179.2	338.3	191.5	264.2
280 × 40	71	175.3	338.3	191.5	264.2
280 × 50	100	170	338.3	191.5	264.2
280 × 63	93.5	170	338.3	191.5	264.2
280 × 90	85	160	342	202.5	264.6
280 × 110	90	180	363.4	213.5	264.6
315 × 20	62	176.4	355.8	209	265.6
315 × 25	65	178.6	355.8	209	265.6
315 × 32	68	179.2	355.8	209	265.6
315 × 40	71	175.3	355.8	209	265.6
315 × 50	100	170	355.8	209	265.6
315 × 63	93.5	170	355.8	209	265.6
315 × 90	85	160	359	219.5	265.2
315 × 110	90	180	382.4	230.5	265.2
315 × 160	110	225	429	248	338

Branch Saddle



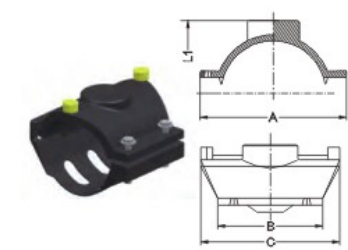
Size	L1	L2	A	B	C
63 × 32	183	50	136	128	100
63 × 40	183	55	136	128	100
63 × 63	203	70	136	128	100
90 × 32	196	50	165.4	158.1	121.9
90 × 50	238.3	60	165.4	158.1	121.9
90 × 63	238.3	70	165.4	158.1	121.9
110 × 32	206	50	165.2	169.3	120
110 × 63	243.3	70	165.2	172.3	120
110 × 90	251.5	85	195.2	173.3	120
125 × 32	213.7	50	167	188.3	120
125 × 50	251	60	167	188.3	120
125 × 63	251	70	167	188.3	120
160 × 63	268.5	70	170.1	223.3	120
160 × 90	276.8	85	260.2	250.3	210
160 × 110	302.7	90	260.2	250.3	210
200 × 63	289.6	70	170.8	265.3	120
200 × 90	297.8	85	260.4	286.3	200
250 × 63	323.3	70	263.9	332.3	200
250 × 90	3246	85	264.9	332.3	200

Stopper Saddle



Size	L1	A	B	C
90 × 20	155	158.1	131.2	165.3
110 × 20	165	168.3	128.7	165.3
110 × 63	243.3	165.2	170.3	120
160 × 90	276.8	260.2	250.3	210
200 × 90	297.8	260.4	286.3	200
200 × 110	332.7	260.4	286.3	200
200 × 160	332.7	260.4	286.3	200
225 × 90	309	260.8	307.3	200
225 × 110	337.3	260.8	307.3	200
225 × 160	337.3	260.8	307.3	200
250 × 90	324.6	264.9	332.3	200
250 × 110	350.3	264.9	332.3	200
250 × 160	350.3	264.9	332.3	200
315 × 90	359	265.2	378.3	200
315 × 110	382.4	265.2	378.3	200
315 × 160	429	338	376	280

Repair Saddle



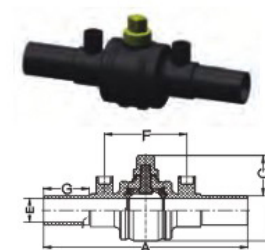
Size	L1	A	B	C
40	40	68	73	88
50	50	85	75	88
63	60	128	100	136
90	65	158.1	121.9	77.3
110	80	165.2	170.3	120
125	90	188.3	120	167
160	95	260.2	250.3	210
200	110	260.4	286.3	200
225	120	260.8	307.3	200
250	130	264.9	332.3	200
315	150	265.2	378.3	200

PE Ball Valves



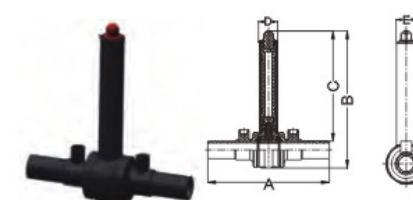
Ball Valve Series

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

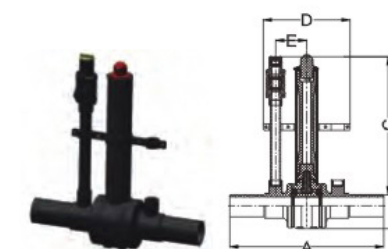
Valve with Extended Stern



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

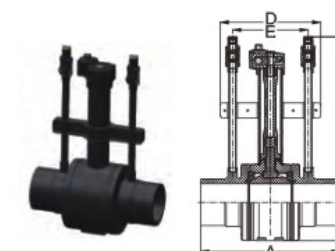
PE Ball Valves

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

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