



# QINGDAO GOLD-DRAGON CO.,LTD

SANITARY PRODUCT



**PETER TIAN**

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**QINGDAO GOLD-DRAGON CO.,LTD**

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**GD**<sup>®</sup>  
**GOLD-DRAGON**





**CERTIFICATE OF CONFORMITY  
 OF QUALITY MANAGEMENT SYSTEM  
 CERTIFICATION**

Certificate No.01846Q1468RCM  
 This is to certify that the quality management system of  
**QINGDAO GOLD-DRAGON CO.,LTD**  
*Rm1621,north building,No.63 Haier Road,Qingdao Shandong P.R.C.266071*  
 is in conformity with,  
**GB/T19001-2000(idt ISO9001:2000) standard**  
 This certificate is valid to the following product(s)/service  
**Production and Servicing of  
 Valves, Faucets, Bibcocks**

Issue Date: 2017.11.07      China Xinhidai Quality  
 Expiry Date: 2019.11.06      System Certification Body  
 Director 

 Accredited by  
 Member of  
 the IAF & PAC  
 MLA for QMS  
 Registration Number: QM2018-Q



**CERTIFICATE OF CONFORMITY  
 OF QUALITY MANAGEMENT SYSTEM  
 CERTIFICATION**

Certificate No.01889Q1409RCM  
 This is to certify that the quality management system of  
**QINGDAO GOLD-DRAGON CO.,LTD**  
*Rm1621,north building,No.63 Haier Road,Qingdao Shandong P.R.C.266071*  
 is in conformity with,  
**GB/T19001-2000(idt ISO9001:2000) standard**  
 This certificate is valid to the following product(s)/service  
**Production and Servicing of  
 Plastic products for kitchen and toilet**

Issue Date: 2017.11.07      China Xinhidai Quality  
 Expiry Date: 2019.11.06      System Certification Body  
 Director 

 Accredited by  
 Member of  
 the IAF & PAC  
 MLA for QMS  
 Registration Number: QM2018-Q

**Q**ingdao Gold-Dragon Co.,Ltd. specializes in producing sanitary products, such as valves, faucets, bibcocks, fittings and plumbing items. we also can designing according customers' inquiry.

During the course of development, we adhere to the marketing spirit of "Unity, industriousness, Exploration and innovation" to improve the quality of products and to perfect our series products.

With our reliable quality, competitive prices and first-rate services, our products gets high prestige in the world.

We sincerely wish to be joined by you for further development and bright future.



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# VALVE SERIES





**GDJD-1001** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1002** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1003** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1004** M/M  
1/2" 3/4" 1"



**GDJD-1005** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1006** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1007** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1008** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2"



**GDJD-1009** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1010** SOLDER  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1011** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1012** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1013** C/C  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1014** C/C  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1015** F/F  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-1016** M/M  
1/2" 3/4" 1" 1 1/4" 1 1/2"  
2" 2 1/2" 3" 4"



**GDJD-4001**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4002**  
1/2"



**GDJD-4003**  
1/2"



**GDJD-4004**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4005**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4006**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4007**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4008**  
1/2" 3/4" 1" 1-1/4" 1-1/2"



**GDJD-4009**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4010**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4011**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4012**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4013**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4014**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4015**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4016**  
1/2"



**GDJD-4017**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4018**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4019**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4020**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4021**  
1/2" 3/4" 1" 1-1/4" 1-1/2" 2"



**GDJD-4022**  
1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-4024**  
1/2" 3/4" 1"



**GDJD-ITALALY**  
1/2" 3/4" 1" 1 1/4" 1 1/2" 2"



**GDJD-4025**  
1/2" 3/4" 1"



**GDJD-4026**  
1/2" 3/4" 1"



**GDJD-4027**  
1/2" 3/4" 1"



**GDJD-4028**  
1/2" 3/4" 1"



**GDJD-4030**  
1/2" 3/4" 1" 1 1/4" 1 1/2" 2"



**GDJD-4031**  
1/2" 3/4"



**GDJD-4032**  
1/2" 3/4"



**GDYF-030**  
1/2" 3/4"







**GDJD-5001**  
1/2x1/2"



**GDJD-5002**  
1/2x1/2"



**GDJD-5003**  
1/2x1/2"



**GDJD-5004**  
1/2x1/2"



**GDJD-5005**  
1/2x1/2"



**GDJD-5006**  
1/2x1/2"



**GDJD-5007**  
1/2x1/2"



**GDJD-5008**  
1/2x1/2"



**GDJD-5009**  
1/2x1/2"



**GDJD-5010**  
1/2x1/2"



**GDJD-5011**  
1/2x1/2"



**GDJD-5012**  
1/2x3/4"



**GDJD-5013**  
1/2x1/2"



**GDJD-5014**  
1/2x3/4"



**GDJD-5015**  
1/2x3/8"



**GDJD-5016**  
1/2x3/8"





**GDJD-3019**

1/2" 3/4"



**GDJD-3020**

1/2" 3/4"



**GDJD-3021**

1/2" 3/4"



**GDJD-3022**

1/2"



**GDJD-3005**

1/2" 3/4" 1" 1-1/4" .....4"



**GDJD-3023**

1/2"



**GDJD-3025**

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



**GDJD-3024**

1/2" 3/4" 1"



**GD-H2002**

DIN3352-F5  
GATE VALVE (NRS)



**GD-H2004**

ANSI Y-TYPE  
STRAINER



**GD-H2003**

ANSI CHECK VALVE  
1.5-16" DN40-160MM

# TAP SERIES





**GDJD-2988**



**GDJD-6082**



**GDJD-2387**



**GDJD-2001**

1/2"



**GDJD-2002**

1/2" 3/4"



**GDJD-2003**

1/2" 3/4"



**GDJD-2004**

1/2" 3/4"



**GDJD-2005**

1/2"



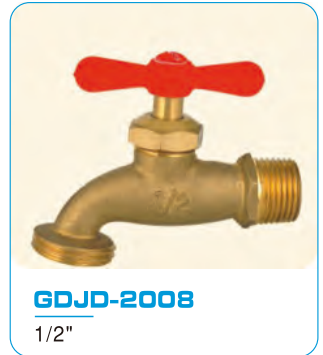
**GDJD-2006**

1/2" 3/4"



**GDJD-2007**

1/2"



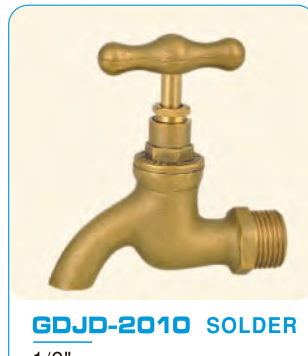
**GDJD-2008**

1/2"



**GDJD-2009**

1/2"



**GDJD-2010 SOLDER**

1/2"



**GDJD-2011**

1/2" 3/4"



**GDJD-2012**

1/2"



**GDJD-2013**

1/2" 3/4"



**GDJD-2014**

1/2" 3/4"



**GDJD-2015**

1/2" 3/4"



**GDJD-2016**

1/2" 3/4"



**GDJD-2017**  
1/2"



**GDJD-2018**  
1/2" 3/4"



**GDJD-2019**  
1/2"



**GDJD-2020**  
1/2"



**GDJD-2021**  
1/2"



**GDJD-2022**  
1/2"



**GDJD-2023**  
1/2"



**GDJD-2024**  
1/2"



**GDJD-2025**  
1/2" 3/4"



**GDJD-2026**  
1/2" 3/4"



**GDJD-2027**  
1/2"



**GDJD-2028**  
1/2" 3/4"



**GDJD-2029**  
1/2"



**GDJD-2030**  
1/2"



**GDJD-2031**  
1/2" 3/4"



**GDJD-2032**  
1/2" 3/4"



**GDJL-1015**  
1/2"



**GDYL01**



**GDYL02**



**GDYL03**



**GDYL04**



**GDYL05**



**GDYL06**



**GDYL07**



**GDYL08**



**GDYL09**



**GDYL10**



**GDYL10A**



**GDYL11**



**GDYL15**



**GDYL16**



**GDYL17**



**GDYL18**



**GDYL19**



**GDYL20**



**GDYL21**



**GDYL22**



**GDYL23**



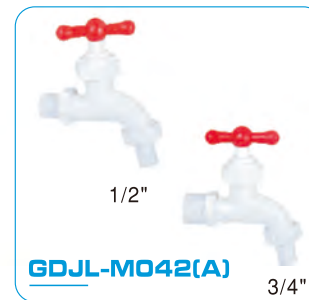
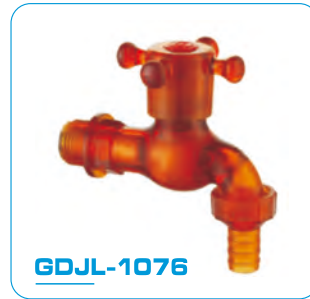
**GDYL25**



**GDYL26**



**GDYL41**





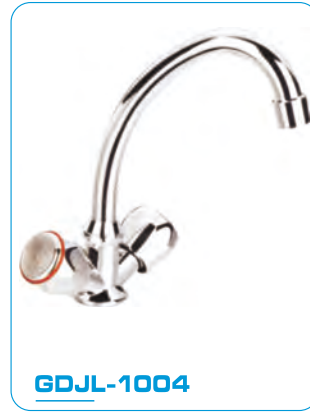
**GDJL-1001**



**GDJL-1002**



**GDJL-1003**



**GDJL-1004**



**GDJL-1007**



**GDJL-1008**



1/2" 3/4"

**GDJL-1010**



1/2"

3/4"

**GDJL-1011/26**



**GDJL-1012**



**GDJL-1013**



**GDJL-1016**



**GDJL-1017**



**GDJL-1019**



**GDJL-1020**



**GDJL-1021**



**GDJL-1022**



**GDJL-1023**



**GDJL-1024**



**GDJL-1027**



**GDJL-1028**





**GDJL-3001A**



**GDJL-3002A**



**GDJL-3001E**



**GDJL-3001B**



**GDJL-3002B**



**GDJL-3003A**



**GDJL-3003B**



**GDJL-3001C**



**GDJL-3002D**



**GDJL-3003C**



**GDJL-3003D**



**GDJL-3001D**



**GDJL-3002E**



**GDJL-3003E**



**GDJL-3003F**



**GDJL-3001F**



**GDJL-3002F**



**GDJL-3002C**





**GDJL-3024**



**GDJL-3025**



**GDJL-3026A**



**GDJL-3027A**



**GDJL-3028A**



**GDJL-3029A**



**GDJL-3026B**



**GDJL-3027B**



**GDJL-3028B**



**GDJL-3029B**



**GDJL-3023E**



**GDJL-3023F**



**GDJL-4079**



**GDJL-4080**



**GDJL-4075**



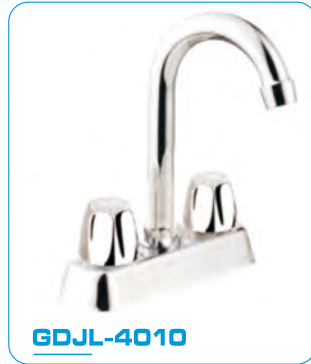
**GDJL-4076**



**GDJL-4077**



**GDJL-4078**





**GDJL-4022**



**GDJL-4023**



**GDJL-4024**



**GDJL-4025**



**GDJL-4026**



**GDJL-4027**



**GDJL-4028**



**GDJL-4029**



**GDJL-4030**



**GDJL-4031**



**GDJL-4032**



**GDJL-4033**



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**GDJL-4035**



**GDJL-4036**



**GDJL-4037**



**GDJL-4038**



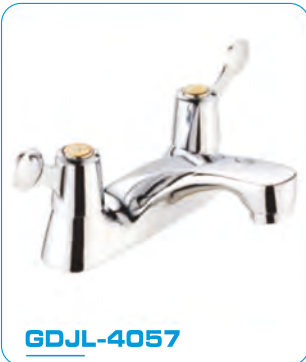
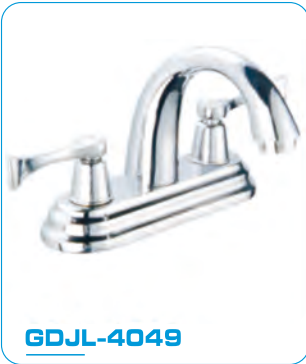
**GDJL-4039**



**GDJL-4047**



**GDJL-4048**





**GDJL-8007**



**GDJL-8002**



**GDJL-8003**



**GDJL-8004**



**GDJL-8005**



**GDJL-8006**



**GDJL-8008**



**GDJL-8009**



**GDJL-8010**



**GDJL-8011**



**GDJL-8012**



**GDJL-8014**



**GDJL-8015**



**GDJL-8016**



**GDJL-8017**



**GDJL-8018**



**GDJL-8019**



**GDJL-8020**



**GDJL-8021**



**GDJL-8022**



**GDJL-8023**



**GDJL-8024**



**GDJL-8025**



**GDJL-8026**



**GDJL-8027**



**GDJL-8028**



**GDJL-8029**



**GDJL-8030**



**GDJL-8031**



**GDJL-8032**



**GDJL-8033**



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**GDJL-8036**



**GDJL-8037**



**GDJL-8038**



**GDJL-8039**



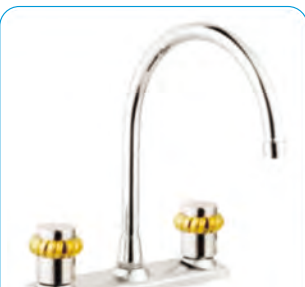
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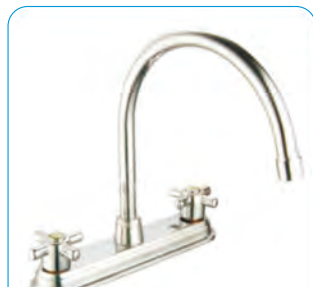
**GDJL-8041**



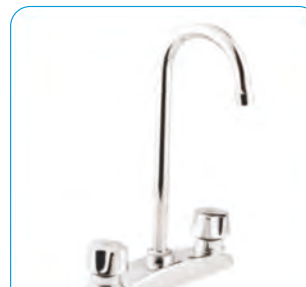
**GDJL-8042**



**GDJL-8043**



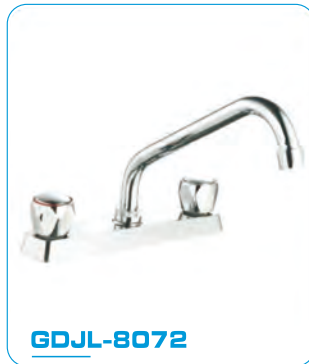
**GDJL-8044**



**GDJL-8045**



**GDJL-8046**







100x100x60

**GDJL-5031**



107x107x56

**GDJL-5032**



86x86x58

**GDJL-5033**



86x86x57

**GDJL-5034**



153x153x60

**GDJL-5035**



109x109x73

**GDJL-5036**



101x101x84

**GDJL-5037**



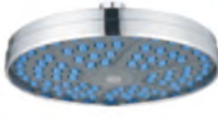
104x104x37

**GDJL-5038**



250x250x60

**GDJL-5039**



200x200x50

**GDJL-5040**



200x200x50

**GDJL-5041**



205x205x61

**GDJL-5042**



material:ABS  
overhead shower  
210x210x46

handle shower  
250x112x18

**GDJL-5078**



material:ABS  
overhead shower  
238x238x117

handle shower  
241x99x55

**GDJL-5079**



material:ABS  
overhead shower  
198x198x57

handle shower  
242x100x14

**GDJL-5080**



material:ABS  
overhead shower  
250x167x59

handle shower  
257x43x15

**GDJL-5081**



material:ABS  
overhead shower  
100x100x55

handle shower  
236x100x27

**GDJL-5082**



material:ABS  
hand shower  
90x90

handle shower  
260x93x67

**GDJL-5083**



material:ABS  
overhead shower  
90x90

handle shower  
250x81x69

**GDJL-5084**



material:ABS  
overhead shower  
90x90

handle shower  
250x81x69

**GDJL-5085**



**GDSR001**



**GDSR002**



**GDSQ001**



**GDSQ002**



**GDYD001**



**GDYD002**



**GDYD003**



**GDYD005**



**GDYD007**



**GDYD008**



**GDYD009**



**GDYD013**



**GDYD015**



**GDYD017**



**GDYD018**



**GDYD019**



**GDYD020**



**GDYD021**



**GDYD023**



**GDYD025**



**GDYD026**



**GDYD029**



**GDYD030**



**GDHA01A**



**GDHA02A**



**GDHA03A**



**GDHA04A**



**GDHA05A**



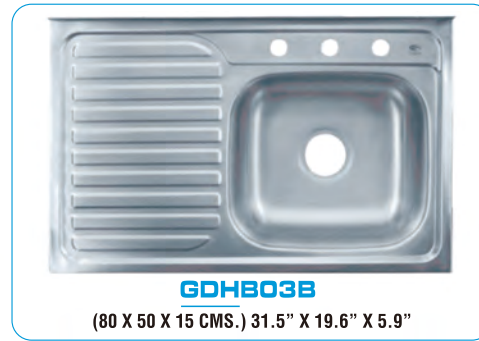
**GDHB01B**

15" X 15" X 6"



**GDHB02B**

30.7" X 18.9" X 6" (78 X 48 15.25 CMS.)



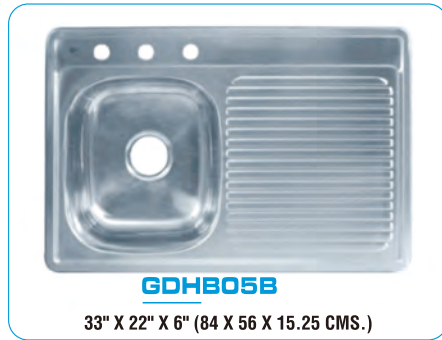
**GDHB03B**

(80 X 50 X 15 CMS.) 31.5" X 19.6" X 5.9"



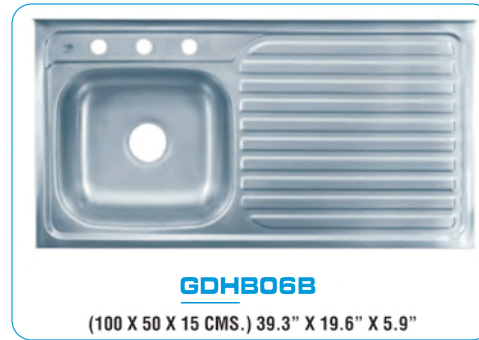
**GDHB04B**

19" X 19" X 6"



**GDHB05B**

33" X 22" X 6" (84 X 56 X 15.25 CMS.)



**GDHB06B**

(100 X 50 X 15 CMS.) 39.3" X 19.6" X 5.9"



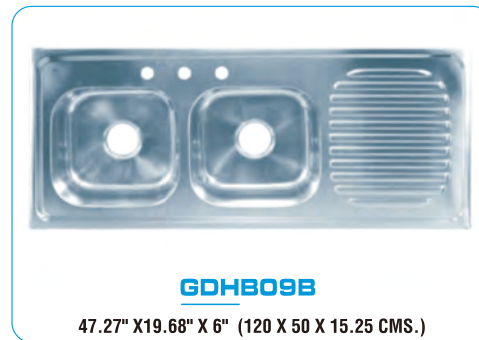
**GDHB07B**

25" X 22" X 6"



**GDHB08B**

33" X 19" X 6" (84 X 48.2 X 15.25 CMS.)



**GDHB09B**

47.27" X 19.68" X 6" (120 X 50 X 15.25 CMS.)



**GDHC01C**



**GDHC02C**



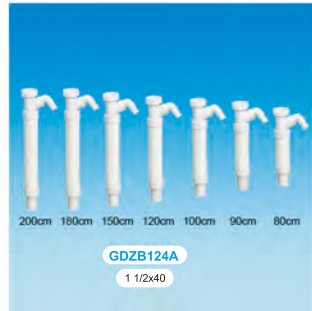
























# PVC SCH40 PRESSURE PIPE & FITTINGS(ASTM D2466)



**PVC PRESSURE PIPE**

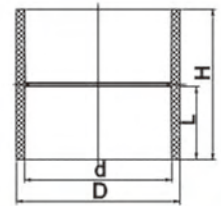
ITEM NO.:AGZ01



Size	Nom	OUTER DIAMETER	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"		60.32	3.91
2-1/2"		73.03	5.16
3"		88.9	5.49
4"		114.3	6.02
6"		168.3	7.11

**COUPLING**

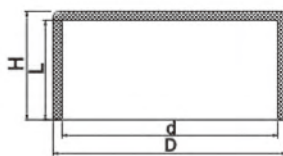
ITEM NO.:AN01



Size	Nom	d	D	L	H
1/2"		21.54	27.08	17.48	37.34
3/4"		26.87	32.61	18.28	38.9
1"		33.66	40.42	22.23	46.8
1-1/4"		42.42	49.54	23.83	50.04
1-1/2"		48.56	55.92	27.79	57.96
2"		60.63	68.45	29.36	61.1
2-1/2"		73.02	84.40	45	94.8
3"		89.31	100.13	47.63	100.02
4"		114.76	126.82	50.8	106.36
6"		168.83	183.06	76.2	158.75

**CAP**

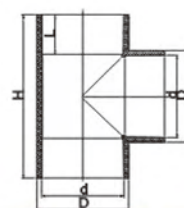
ITEM NO.:AN02



Size	Nom	d	D	L	H
1/2"		21.54	27.08	17.48	20.25
3/4"		26.87	32.61	18.28	21.13
1"		33.66	40.42	22.23	25.61
1-1/4"		42.42	49.54	23.83	27.39
1-1/2"		48.56	55.92	27.79	31.47
2"		60.63	68.45	29.36	33.27
2-1/2"		73.38	83.7	44.45	52.6
3"		89.31	100.13	47.63	52.96
4"		114.76	126.82	50.8	56.83
6"		168.83	183.06	76.2	88.31

**TEE**

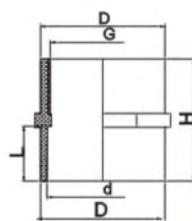
ITEM NO.:AN03



Size	Nom	d	D	L	H
1/2"		21.54	27.08	17.48	60.36
3/4"		26.87	32.61	18.28	64.64
1"		33.66	40.42	22.23	79.38
1-1/4"		42.42	49.54	23.83	92.12
1-1/2"		48.56	55.92	27.79	106.38
2"		60.63	68.45	29.36	122.22
2-1/2"		73.02	84.40	45	168.2
3"		89.31	100.13	47.63	187.34
4"		114.76	126.82	50.8	219.08
6"		168.83	183.06	76.2	230.2

**FEMALE ADAPTER**

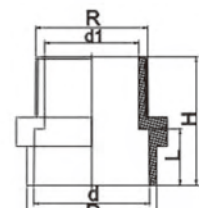
ITEM NO.:AN04



Size	Nom	d	D	G	L	H
1/2"		21.54	27.08	1/2"	17.48	39.71
3/4"		26.87	32.61	3/4"	18.28	40.79
1"		33.66	40.42	1"	22.23	49.62
1-1/4"		42.42	49.54	1-1/4"	23.83	51.83
1-1/2"		48.56	55.92	1-1/2"	27.79	56.21
2"		60.63	68.45	2"	29.36	59.62
2-1/2"		73.38	83.7	2-1/2"	44.45	73.4
3"		89.31	100.13	3"	47.63	93.89
4"		114.76	126.82	4"	50.8	99.6
6"		168.83	183.06	6"	76.2	132.8

**MALE ADAPTER**

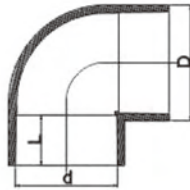
ITEM NO.:AN05



Size	Nom	d	D	d1	R	L	H
1/2"		21.54	27.08	13.8	1/2"	17.48	39.71
3/4"		26.87	32.61	18.85	3/4"	18.28	41.29
1"		33.66	40.42	24.3	1"	22.23	49.62
1-1/4"		42.42	49.54	32.46	1-1/4"	23.83	51.83
1-1/2"		48.56	55.92	38.1	1-1/2"	27.79	56.18
2"		60.63	68.45	49.24	2"	29.36	58.62
2-1/2"		73.38	83.7	61.3	2-1/2"	44.45	73.4
3"		89.31	100.13	73.66	3"	47.63	93.89
4"		114.76	126.82	97.18	4"	50.8	99.6
6"		168.83	183.06	149.8	6"	76.2	132.8
3/4"*1/2"		26.87	32.61	13.8	1/2"	18.5	43.35
1/2"*3/4"		27.08	27.08	19	3/4"	17.5	42.75
1*3/4"		33.66	40.42	19	3/4"	22.23	47.78
3/4"*1"		33.66	32.61	24	1"	18.5	58.35

**90 DEG ELBOW**

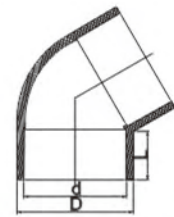
ITEM NO.:AN06



Size	Nom	d	D	L
1/2"		21.54	27.08	17.48
3/4"		26.87	32.61	18.28
1"		33.66	40.42	22.23
1-1/4"		42.42	49.54	23.83
1-1/2"		48.56	55.92	27.79
2"		60.63	68.45	29.36
2-1/2"		73.02	84.40	45
3"		89.31	100.13	47.63
4"		114.76	126.82	50.8
6"		168.83	183.06	76.2

**45 DEG ELBOW**

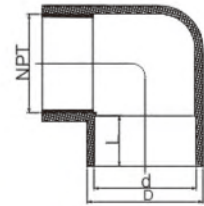
ITEM NO.:AN07



Size	Nom	d	D	L
1/2"		21.54	27.08	17.48
3/4"		26.87	32.61	18.28
1"		33.66	40.42	22.23
1-1/4"		42.42	49.54	23.83
1-1/2"		48.56	55.92	27.79
2"		60.63	68.45	29.36
2-1/2"		73.02	84.40	45
3"		89.31	100.13	47.63
4"		114.76	126.82	50.8
6"		168.83	183.06	76.2

**FEMALE ELBOW**

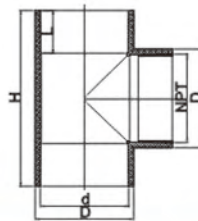
ITEM NO.:AN09



Size	Nom	d	D	NPT	L
1/2"		21.54	27.08	1/2"	17.48
3/4"		26.87	32.61	3/4"	18.28
1"		33.66	40.42	1"	22.23
1-1/4"		42.42	49.54	1-1/4"	23.83
1-1/2"		48.56	55.92	1-1/2"	27.79
2"		60.63	68.45	2"	29.36

**FEMALE TEE**

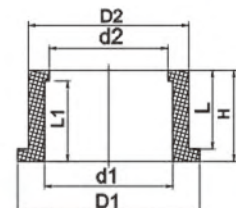
ITEM NO.:AN08



Size	Nom	d	D	NPT	L	H
1/2"		21.54	27.08	1/2"	17.48	60.36
3/4"		26.87	32.61	3/4"	18.28	64.64
1"		33.66	40.42	1"	22.23	79.38
1-1/2"		48.56	55.92	1-1/2"	27.79	106.38
1-1/4"		42.42	50		23.9	92.26
2"		60.63	68.45		29.4	122.3

**REDUCING BUSHING**

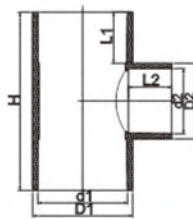
ITEM NO.:AN11



Size	Nom	D1	d1	D2	d2	H	L1	L
3/4" x 1/2"		32.87	21.54	26.67	14.68	17.48	18.26	21.26
1" x 1/2"		40.0	21.54	33.4	14.68	17.48	22.23	25.23
1" x 3/4"		40.0	26.87	33.4	18.8	18.26	22.23	25.23
1-1/4" x 1/2"		49.0	21.54	42.16	14.68	17.48	23.83	26.83
1-1/4" x 3/4"		49.0	26.87	42.16	18.8	18.26	23.83	26.83
1-1/4" x 1"		49.0	33.66	42.16	25.15	22.23	23.83	26.83
1-1/2" x 1/2"		59.0	21.54	48.26	14.68	17.48	27.79	30.79
1-1/2" x 3/4"		59.0	26.87	48.26	18.8	18.26	27.79	30.79
1-1/2" x 1"		59.0	33.66	48.26	25.15	22.23	27.79	30.79
1-1/2" x 1-1/4"		59.0	42.42	48.26	33.91	23.83	27.79	30.79
2" x 1/2"		70	21.54	60.33	14.68	17.48	29.36	34.36
2" x 3/4"		70	26.87	60.33	18.8	18.26	29.36	34.36
2" x 1"		70	33.66	60.33	25.15	22.23	29.36	34.36
2" x 1-1/4"		70	42.42	60.33	33.91	23.83	29.36	34.36
2" x 1-1/2"		70	48.56	60.33	39.73	27.79	29.36	34.36
3" x 1-1/2"		95	48.56	88.9	39.73	27.79	47.63	52.63
3" x 2"		95	60.63	88.9	51.33	29.36	47.63	52.63
4" x 2"		121	60.63	114.3	51.33	29.36	50.8	55.8
4" x 3"		121	89.31	114.3	76.4	47.63	50.8	55.8
6" x 4"		178.9	114.76	168.28	100.61	50.8	76.2	81.2

**REDUCING TEE**

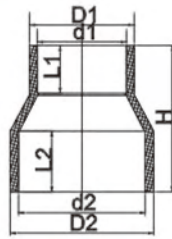
ITEM NO.:AN10



Size	Nom	d1	d2	D1	D2	L1	L2	H
3/4" x 1/2"		26.87	21.54	32.61	27.08	18.28	17.48	64.64
1" x 1/2"		33.66	21.54	40.42	27.08	22.23	17.48	79.38
1" x 3/4"		33.66	26.87	40.42	32.61	22.23	18.28	79.38
2" x 3/4"		60.63	26.87	68.45	32.61	29.36	18.28	122.22

**REDUCING COUPLING**

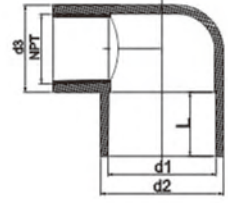
ITEM NO.:AN12



Size	Nom	D2	d2	D1	d1	H	L2	L1
3/4"×1/2"	32.61	26.87	27.08	21.54	44.39	18.28	17.48	
1"×1/2"	40.42	33.66	27.08	21.54	57.09	21.23	17.48	
1"×3/4"	40.42	33.66	32.61	26.87	55.88	21.23	18.28	
1-1/4"×3/4"	49.54	42.42	32.61	26.87	62.93	23.84	18.28	
1-1/4"×1"	49.54	42.42	40.42	33.66	61.9	23.84	22.23	
1-1/2"×3/4"	55.92	48.56	32.61	26.87	71.69	27.79	18.28	
1-1/2"×1"	55.92	48.56	40.42	33.66	70.22	27.79	22.23	
1-1/2"×1-1/4"	55.92	48.56	49.54	42.42	66.19	27.79	23.84	
2"×1"	68.45	60.63	40.42	33.66	76.79	29.36	22.23	
2"×1-1/4"	68.45	60.63	49.54	42.42	78.39	29.36	23.84	
2"×1-1/2"	68.45	60.63	49.54	42.42	82.35	29.36	23.84	
2-1/2"×1-1/2"	83.7	73.38	55.92	48.56	100.66	44.45	27.79	
2-1/2"×2"	83.7	73.38	68.45	60.63	102.23	44.45	29.36	
3"×2"	100.13	89.31	68.45	60.63	111.01	47.63	29.36	
3"×2-1/2"	100.13	89.31	83.7	73.38	126.1	47.63	44.45	
4"×2"	126.82	114.76	68.45	60.63	121.18	50.8	29.36	
4"×2-1/2"	126.82	114.76	83.7	73.38	136.27	50.8	44.45	
4"×3"	126.82	114.76	100.13	89.31	139.45	50.8	47.63	

**REDUCING FEMALE ELBOW**

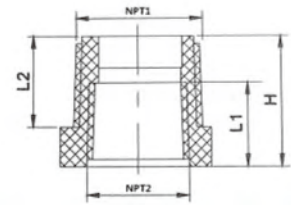
ITEM NO.:AN13



Size	Nom	d1	d2	d3	NPT	L
3/4"×1/2"	26.87	32.61	28.8	1/2"	18.28	
1"×1/2"	33.66	40.42	28.8	1/2"	22.23	
1"×3/4"	33.66	40.42	34.49	3/4"	22.23	

**REDUCING BUSHING (AN15)MIP\*FIP**

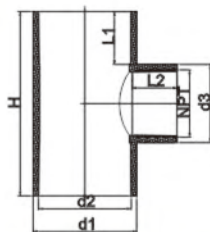
ITEM NO.:AN15



Size	Nom	NPT1	NPT2	L1	L2	H
3/4"×1/2"	3/4"	1/2"	19.85	20.15	26.15	
1"×1/2"	1"	1/2"	19.85	25.01	31.01	
1"×3/4"	1"	3/4"	20.15	25.01	31.01	

**REDUCING FEMALE TEE**

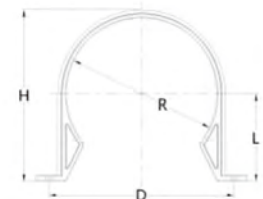
ITEM NO.:AN14



Size	Nom	d1	d2	d3	NPT	L1	L2	H
3/4"×1/2"	32.61	26.87	28.8	1/2"	17.48	19.85	64.64	
1"×1/2"	40.42	33.66	28.8	1/2"	22.23	19.85	79.38	
1"×3/4"	40.42	33.66	34.39	3/4"	22.23	20.15	79.38	

**PIPE CLIP**

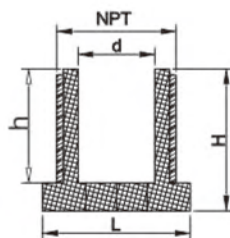
ITEM NO.:AN17



Size	Nom	D	L	L1	H	R
1/2"	14.7	3.9	17.4	28.4	21.34	
3/4"	19.7	4.3	21.7	34.2	26.67	
1"	21.0	5.0	27.8	45.4	33.40	
1-1/4"	25.3	5.1	31.5	51.3	42.16	
1-1/2"	31.8	5.2	36.4	58.9	48.26	
2"	44.4	6.8	40.6	71.5	60.32	
2-1/2"	52	6.5	51	92.5	73	
3"	62.1	7.0	53.3	98.6	88.90	
4"	88.4	7.3	73.3	129.8	114.30	
6"	129.3	6.8	96.85	190.2	168.3	

**PLUG**

ITEM NO.:AN16



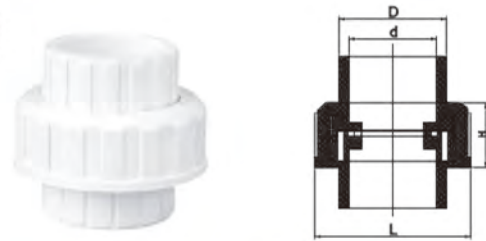
Size	Nom	d	NPT	L	h	H
1/2"	13.8	1/2"	27	19.85	24.85	
3/4"	18.85	3/4"	32	20.15	25.15	
1"	24.3	1"	42	25.01	32.01	
1-1/4"	32.46	1-1/4"	50	25.62	34.62	
1-1/2"	38.1	1-1/2"	60	26.04	35.04	
2"	49.24	2"	70	26.88	36.88	

**COMPRESSION COUPLING** ITEM NO.:AN18



Size	Nom	d1	d2	D	L
1/2"		24	22	43	80
3/4"		28	29	50.5	90
1"		35	36	61	96
1-1/4"		43	44	70	110
1-1/2"		52	53	81	122
2"		65	67	100	155
2-1/2"		77	82	115	188
3"		93	94	130	221
4"		116	118	157	276
6"		169	170	210	313

**UNION** ITEM NO.:AN19



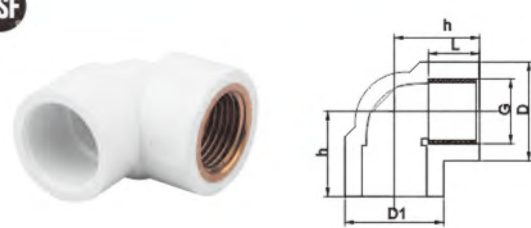
Size	Nom	d	D	L	H
1/2"		21.54	27.08	46.5	24
3/4"		26.87	32.61	57.5	24
1"		33.66	40.42	68	24
1-1/4"		42.42	49.54	81	24
1-1/2"		48.56	55.92	90	31
2"		60.63	68.45	110	31
2-1/2"		73.38	83.7	118	38.4
3"		89.31	100.13	150	45
4"		114.76	126.82	190	53

**UNION** ITEM NO.:AN19-1



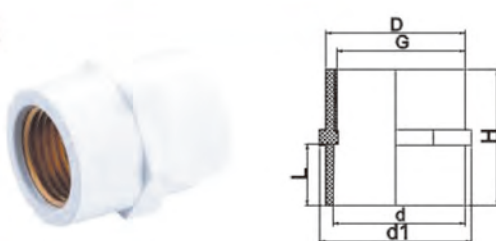
Size	Nom	d	D	L	H
1/2"		21.54	27.08	17.48	20
3/4"		26.87	32.61	18.26	20.3
1"		33.66	40.41	22.23	24.3
1-1/2"		48.56	55.93	27.79	28.9
2"		60.63	68.45	29.36	30.9

**FEMALE ELBOW WITH BRASS** ITEM NO.:AN20



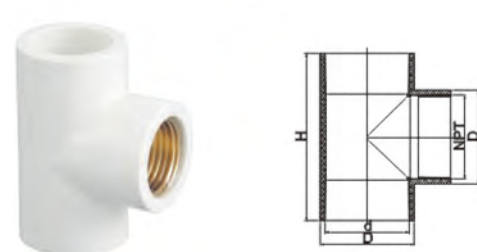
Size	Nom	G	D	D1	L	h
1/2"	1/2"	32.0	29.4	12.1	29.1	
3/4"	3/4"	38.1	36.0	12.8	33.6	

**FEMALE COUPLING WITH BRASS** ITEM NO.:AN21



Size	Nom	d	d1	G	D	L	H
1/2"		21.34	33.1	1/2"	29	16	36.6
3/4"		26.67	39.5	3/4"	34.9	19.1	42.9

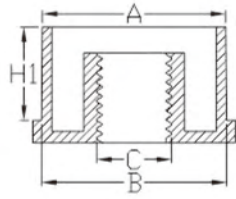
**FEMALE TEE WITH BRASS** ITEM NO.:AN22



Size	Nom	d	D	NPT	H
1/2"		21.34	28	1/2"	74.0

**PVC FEMALE BUSHING**

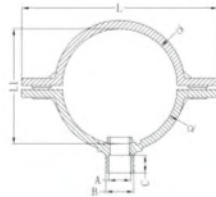
ITEM NO.:AN23



Size	Nom	A	B	C	H1
1/2x3/8"		21.54	21.23	3/8NPT	17.48
3/4"x1/2"		26.87	26.57	1/2NPT	18.26
1"x3/4"		33.66	33.27	3/4NPT	22.23
1"x1/2"		33.66	33.27	1/2NPT	22.23
2"x1/2"		60.63	60.17	1/2NPT	29.36
2"x3/4"		60.63	60.17	3/4NPT	29.36
2"x1"		60.63	60.17	1NPT	29.36
2"x1-1/4"		60.63	60.17	1-1/4NPT	29.36
2"x1-1/2"		60.63	60.17	1-1/2NPT	29.36

**PVC SADDLE CLIP**

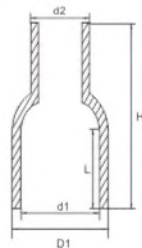
ITEM NO.:AN25



Size	Nom	L	L1	A	B	C	d
2" x 1/2"		118	62.9	21.54	27.1	17.5	58
2" x 3/4"		118	62.9	26.87	32.6	18.3	58
3" x 1/2"		148	91	21.54	27.1	17.5	88.5
3" x 2/4"		148	91	26.87	32.6	18.3	88.5
4" x 1/2"		189.7	115.1	21.54	27.1	17.5	111
4" x 3/4"		189.7	115.1	26.87	32.6	18.3	111

**PVC LONG REDUCING COUPLING**

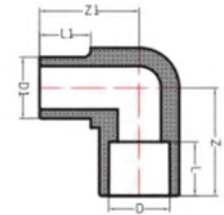
ITEM NO.:AN27



Size	Nom	D	d1	L	d2	H
1/2x3/8"		27.39	21.54	17.71	17.04	61.39
1/2x3/4"		32.91	26.87	18.46	21.23	71.7

**PVC STREET ELBOW**

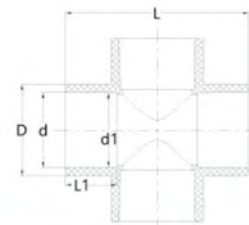
ITEM NO.:AN24



Size	Nom	D	D1	L	L1	Z	Z1
1/2"		21.34	21.34	17.5	17.5	38.0	35.0
3/4"		26.67	26.67	18.5	18.5	40.5	39.5
1"		33.40	33.40	22.5	22.5	48.0	46.5

**PVC CROSS**

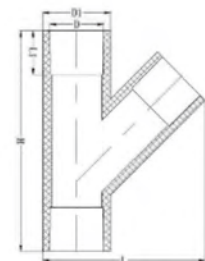
ITEM NO.:AN26



Size	Nom	D	L	L1	d	d1
1/2"		27.07	60.36	17.48	21.53	21.23
3/4"		32.61	65.12	18.26	26.87	26.57
1"		40.5	87.5	23	33.66	33.27
1-1/4"		49.6	100	25	42.42	42.04
1-1/2"		55.96	115	30	48.56	48.1
2"		68.6	140	31	60.63	60.17
2-1/2"		83.8	170	45	73.38	72.85
3"		100	190	48	89.3	88.7
4"		126.8	225	51	114.8	114.1

**PVC Y TEE**

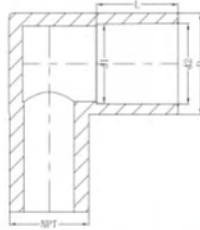
ITEM NO.:AN28



Size	Nom	L	H	L1	D1	D
1/2"		88	65	17.5	27.08	21.54
3/4"		100	80	18.3	32.61	26.87
1"		120	96	21.5	40.42	33.66

**MALE ELBOW**

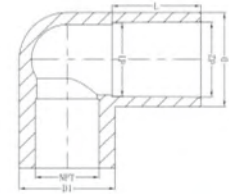
ITEM NO.:AN29



Size	Nom	L	D	d1	d2
1/2"		22	27.08	21.23	21.54

**THREE WAY ELBOW**

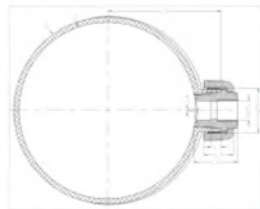
ITEM NO.:AN30



Size	Nom	L	D	D1	d1	d2
1/2"		25	27.08	27.08	21.23	21.54

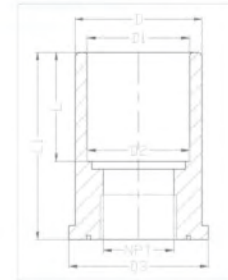
**PVC CLAMP**

ITEM NO.:AN31



Size	Nom	NPT	NPT1	D	D1	L	L1	L2	L3	L4
2"x1/2"	1-1/4"	1/2"		60	68	9.5	28.4	41.8	54	2
2"x3/4"	3/4"	1/2"		60	68	9.5	28.4	41.8	54	2
3"x1/2"	1-1/4"	1/2"		89.2	99	9.5	28.4	41.8	67.1	2
3"x3/4"	1-1/4"	3/4"		89.2	99	9.5	28.4	41.8	67.1	2
4"x1/2"	1-1/4"	1/2"		115.3	126.5	9.5	28.4	41.8	81.3	2
4"x3/4"	1-1/4"	3/4"		115.3	126.5	9.5	28.4	41.8	81.3	2
6"x1/2"	1-1/4"	1/2"		169.2	179	9.5	28.4	41.8	108.4	2
6"x3/4"	1-1/4"	3/4"		169.2	179	9.5	28.4	41.8	108.4	2

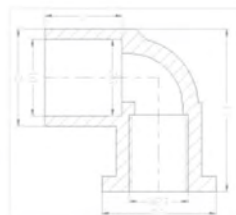
**FEMALE SOCKET WITH BRASS** ITEM NO.:AN32



Size	Nom	NPT	D	D1	D2	D3	L	L1
1/2x1/2		1/2"	27.01	21.54	21.23	34.2	35.6	47
3/4Sx3/4T		3/4"	32.54	26.87	26.57	36.3	30.2	48.3
3/4Sx1/2T		3/4"	32.54	26.87	26.57	36.6	28.7	49.1

**FEMALE ELBOW WITH BRASS**

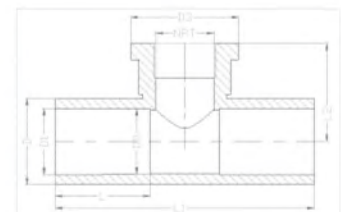
ITEM NO.:AN33



Size	Nom	NPT	D	D1	D2	D3	L	L1
1/2x1/2		1/2"	27.08	21.54	21.23	33.84	31.4	41.6
3/4Sx3/4T		3/4"	32.61	26.87	26.57	38.78	29.3	52.2
3/4Sx1/2T		3/4"	32.61	26.87	26.57	34.58	28	48.6

**FEMALE TEE WITH BRASS**

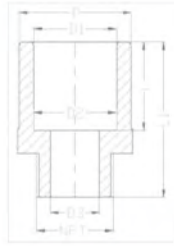
ITEM NO.:AN34



Size	Nom	NPT	D	D1	D2	D3	L	L1	L2
1/2x1/2		1/2"	27.08	21.54	21.23	34.8	30.8	84	32
3/4Sx3/4T		3/4"	32.61	26.87	26.57	37.9	29.3	81.2	33.8
3/4Sx1/2T		1/2"	32.61	26.87	26.57	37.8	29	81.8	31

**MALE SOCKET WITH BRASS**

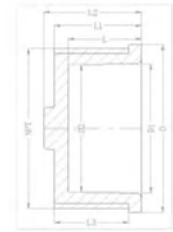
ITEM NO.:AN35



Size	Nom	NPT	D	D1	D2	D3	L	L1
1/2x1/2		1/2"	27.01	21.54	21.23	14.68	23.09	40.59

**PVC PLUG(SOCKET&THREAD)**

ITEM NO.:AN36



Size	Nom	NPT	D	D1	D2	L	L1	L2	L3
2*1-1/2		2"	63	48.56	48.11	27.8	33	37	28

**P-TRAP**

ITEM NO.:AN37



Size	Nom	L	H	D
3/4"		205	114	26.67

**R-TRAP**

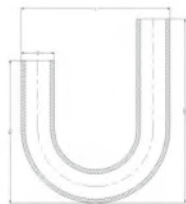
ITEM NO.:AN38



Size	Nom	L	H	D
3/4"		250	77	26.67

**J-TRAP**

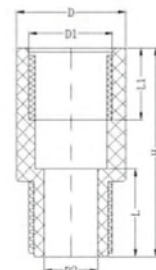
ITEM NO.:AN39



Size	Nom	L	H1	H2	D
3/4"		119	114	147	26.67

**MALE AND FEMALE ADAPTER**

ITEM NO.:AN40



Size	Nom	H	L	L1	D	D1	D2
1/2"		52.5	22	18	27.5	1/2"	13.3

**PVC CONDUIT PIPE**

ITEM NO.:MGZ01



Size	OUTER DIAMETER(MM)	WALL THICKNESS(MM) THICK SCH40	WALL THICKNESS(MM) THIN
1/2"	21.34	2.77	1.4/1.6
3/4"	26.67	2.87	1.6
1"	33.4	3.38	1.7
1-1/4"	42.16	3.56	1.8
1-1/2"	48.26	3.68	2.1
2"	60.32	3.91	2.2
2-1/2"	73.02	5.16	2.4
3"	88.9	5.49	3.0
4"	114.3	6.02	3.4
6"	168.28	7.1	4.11

**PVC CONDUIT BEND (SINGLE ENDS BELL)**

ITEM NO.:CB01



Size	Nom	A	B
1/2"		21.54	21.34
3/4"		26.87	26.67
1"		33.66	33.4
1-1/4"		42.42	42.16
1-1/2"		48.56	48.26
2"		60.63	60.33
3"		89.3	88.9
4"		114.76	114.3
6"		168.8	168.28

**PVC CONDUIT BEND (DOUBLE ENDS BELL)**

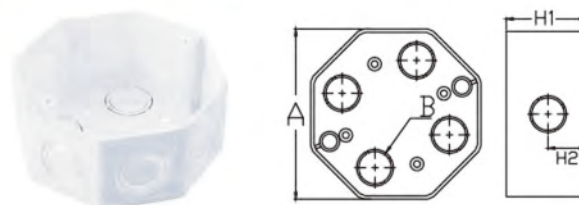
ITEM NO.:CB02



Size	Nom	A	B
1/2"		21.54	21.23
3/4"		26.87	26.57
1"		33.66	33.27
1-1/4"		42.42	42.04
1-1/2"		48.56	48.11
2"		60.63	60.17
3"		89.3	88.9
4"		114.76	114.3

**BOX OCTAGONAL**

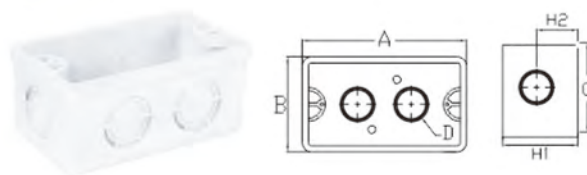
ITEM NO.:CB03



Size	Nom	A	B	H1	H2
4"		102	27	48	23

**HANDY BOX**

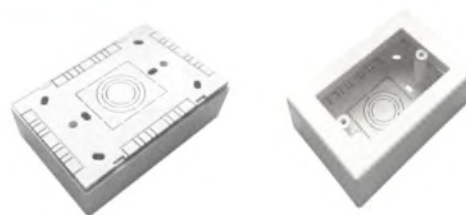
ITEM NO.:CB04



Size	Nom	A	B	C	D	H1	H2
4"x2"		107	62	58	22	49	27

**BOX WITH CAP**

ITEM NO.:CB05



Size
4"*2"

**ROUND BOX**

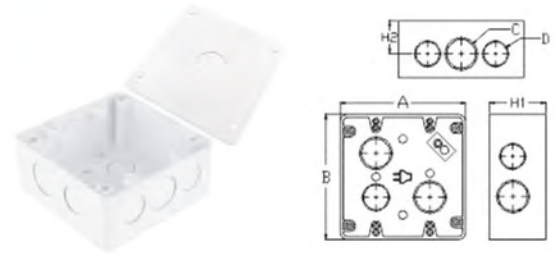
ITEM NO.:CB06



Size
4"

**SQUARE BOX**

ITEM NO.:CB08



Size	Nom	A	B	C	D	H1	H2
4"		107	107	28	22	48.5	25.5

**PVC CONDUIT MALE CONECTOR**

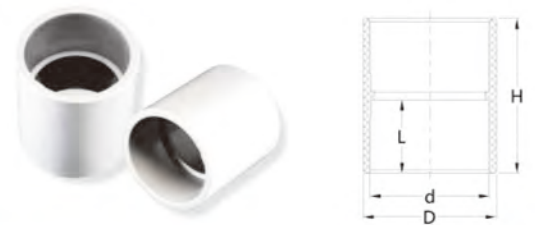
ITEM NO.:CB09



Size	Nom	A	B	C	D
1/2"		21.54	21.23	17.48	1/2NPT
3/4"		26.87	26.57	18.26	3/4NPT
1"		33.66	33.27	22.23	1NPT
1-1/4"		42.42	42.04	23.83	1-1/4NPT
1-1/2"		48.56	48.11	27.79	1-1/2NPT
2"		60.63	60.17	29.36	2NPT
2-1/2"		73.41	72.85	45	2-1/2NPT
3"		89.28	88.7	46.25	3NPT
4"		114.68	114.07	49	4NPT

**PVC-U CSA COUPLING**

ITEM NO.:CB10



Size	Nom	d	D	L	H
1-1/4"		42.59	48.7	23.83	51
1-1/2"		48.72	54.82	26.97	58
2"		60.78	67.38	28.58	61.16
2-1/2"		73.41	81.79	45	95
3"		89.28	100.26	46.25	98.5
4"		114.68	126.72	49	106

# PVC SCH80 PRESSURE PIPE & FITTINGS(ASTM D2467)



**PVC PRESSURE PIPE**

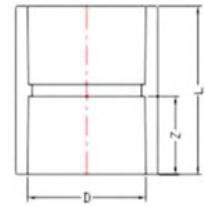
ITEM NO.:S38



Size	Nom	OUTER DIAMETER	WALL THICKNESS
1/2"		21.34	3.7
3/4"		26.67	3.9
1"		33.4	4.6
1-1/4"		42.16	4.9
1-1/2"		48.26	5.1
2"		60.32	5.5
2-1/2"		73.03	7.1
3"		88.9	7.6
4"		114.3	8.6
6"		168.3	10.97

**COUPLING**

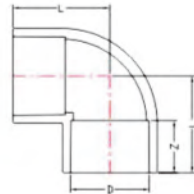
ITEM NO.:S01



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

**90 DEG ELBOW**

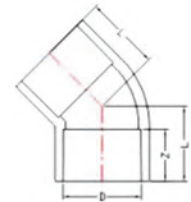
ITEM NO.:S02



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**

ITEM NO.:S03



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

**EQUAL TEE**

ITEM NO.:S04



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 TEE**

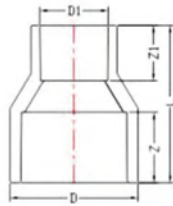
ITEM NO.:S05



Size	Nom	D	L	Z	D1	L1	Z1
3/4"X1/2"		26.67	39.5	27.0	21.34	39.0	24.0
1"X1/2"		33.40	42.5	30.0	21.34	42.0	24.0
1"X3/4"		33.40	45.5	30.0	26.67	45.5	27.0
1-1/4"X3/4"		42.16	48.5	33.0	26.67	50.0	27.0
1-1/4"X1"		42.16	51.5	33.0	33.40	53.0	30.0
1-1/2"X1"		48.26	56.0	36.0	33.40	57.5	30.0
1-1/2"X1-1/4"		48.26	61.0	36.0	42.16	61.0	33.0
2"X1-1/4"		60.30	64.0	39.0	42.16	67.0	33.0
2"X1-1/2"		60.32	64.0	39.0	48.26	70.0	36.0
2-1/2"X1-1/2"		73.02	74.0	46.0	48.26	76.5	36.0
2-1/2"X2"		73.02	80.0	46.0	60.32	79.5	39.0
3"X2"		88.90	83.0	49.0	60.32	87.5	39.0
3"X2-1/2"		88.9	89.5	49.0	73.02	107.0	46.0
4"X2-1/2"		114.30	99.5	59.0	73.02	107.0	46.0
4"X3"		114.30	107.5	59.0	88.9	110.0	49.0

**REDUCING COUPLING**

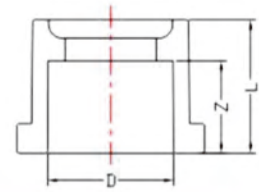
ITEM NO.:S06



Size	Nom	D	L	Z	D1	Z1
3/4"X1/2"	26.67	60.0	27.0	21.34	24.0	
1"X1/2"	33.40	63.0	30.0	21.34	24.0	
1"X3/4"	33.40	67.5	30.0	26.67	27.0	
1-1/4"X3/4"	42.16	75.0	33.0	26.67	27.0	
1-1/4"X1"	42.16	69.0	33.0	33.40	30.0	
1-1/2"X1"	48.26	77.0	36.0	33.40	30.0	
1-1/2"X1-1/4"	48.26	83.5	36.0	42.16	33.0	
2"X1-1/4"	60.30	89.0	39.0	42.16	33.0	
2"X1-1/2"	60.32	94.0	39.0	48.26	36.0	
2-1/2"X1-1/2"	73.02	99.0	46.0	48.26	36.0	
2-1/2"X2"	73.02	102.0	46.0	60.32	39.0	
3"X2"	88.90	106.5	49.0	60.32	39.0	
3"X2-1/2"	88.9	115.5	49.0	73.02	46.0	
4"X2-1/2"	114.30	124.5	59.0	73.02	46.0	
4"X3"	114.30	130.0	59.0	88.9	49.0	

**REDUCING RING**

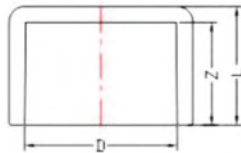
ITEM NO.:S10



Size	Nom	D	L	Z
3/4"X1/2"	21.34	34.0	24.0	
1"X3/4"	26.67	37.0	27.0	
1-1/4"X1"	33.40	40.0	30.0	
1-1/2"X1"	42.16	43.0	33.0	
1-1/2"X1-1/4"	48.26	46.0	36.0	
2"X1-1/2"	60.32	53.0	39.0	
2-1/2"X2"	73.02	61.0	46.0	
4"X3"	88.90	66.0	49.0	

**END CAP**

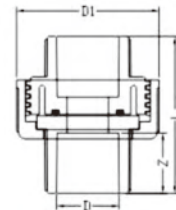
ITEM NO.:S12



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	

**UNION**

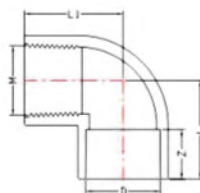
ITEM NO.:S14



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	

**FEMALE ELBOW**

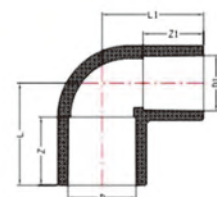
ITEM NO.:S16



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"	

**REDUCING ELBOW (THREADED)**

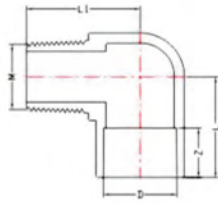
ITEM NO.:S17



Size	Nom	D	L	Z	D1	L1	Z1
3/4X1/2"	26.67	40.0	27.0	21.34	40.0	24.0	
1"X1/2"	33.40	42.5	30.0	21.34	42.5	24.0	
1"X3/4"	33.40	45.5	30.0	26.67	45.5	27.0	

**MALE ELBOW 90°**

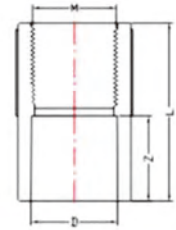
ITEM NO.:S19



Size	Nom	D	L	Z	L1	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"

**FEMALE ADAPTER**

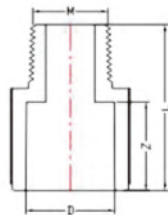
ITEM NO.:S25



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"

**MALE ADAPTER**

ITEM NO.:S27



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**

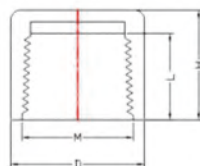
ITEM NO.:S31



Size	Nom	D	L	Z	L1	M
3/4X1/2"		29.7	36.5	24.0	36.5	1/2"
1"X1/2"		35.4	42.0	27.0	42.0	3/4"
1"X3/4"		43.2	48.0	30.0	48.0	1"

**FEMALE CAP**

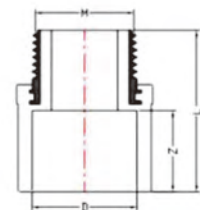
ITEM NO.:S32



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

**MALE COUPLING**

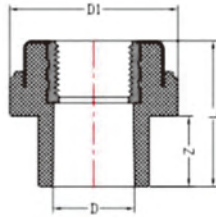
ITEM NO.:S35



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)**

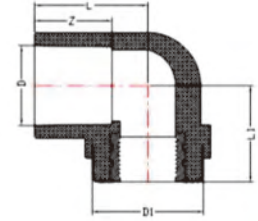
ITEM NO.:S36



Size	Nom	D	L	Z	M
1/2"x1/2"	21.34	19.0	24.0	45.0	
1/2"x3/4"	21.34	19.0	24.0	45.0	
3/4"x3/4"	26.67	21.0	27.0	45.0	
3/4"x1/2"	26.67	21.0	27.0	45.0	
1"x1"	33.40	26.0	30.0	49.5	
1"x3/4"	33.40	26.0	30.0	49.5	

**90DEG FEMALE ELBOW  
(COPPER THREAD)**

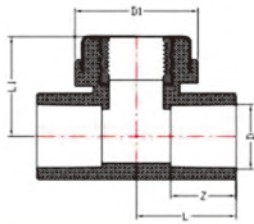
ITEM NO.:S37



Size	Nom	D	L	Z	D1	L1
1/2"x1/2"	21.34	19.0	29.0	24.0	42.5	28.0
1/2"x3/4"	21.34	19.0	29.0	27.0	42.5	28.0
3/4"x3/4"	26.67	21.0	31.0	30.0	42.5	29.5
3/4"x1/2"	26.67	21.0	31.0	33.0	42.5	29.5

**FEMALE TEE  
(COPPER THREAD)**

ITEM NO.:S38



Size	Nom	D	L	Z	D1	L1
1/2"x1/2"	21.34	34.0	24.0	42.5	34.0	
1/2"x3/4"	21.34	34.0	24.0	42.5	34.0	
3/4"x3/4"	26.67	37.0	27.0	42.5	36.5	
3/4"x1/2"	26.67	37.0	27.0	42.5	36.5	

CE

# PVC DWV PIPE & FITTINGS (ASTM D2665)



**DWV PVC PIPE**

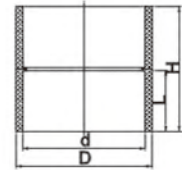
ITEM NO.:OGZ01



Size						
1-1/4"	1-1/2"	2"	3"	4"	6"	8"

**DWV COUPLER**

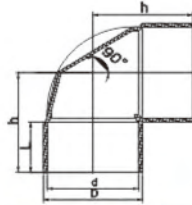
ITEM NO.:D01



Size	Nom	d	D	L	H
1-1/2"		48.26	56.8	17.6	40.0
2"		60.32	68.8	19.2	44.0
3"		88.90	100.7	38.2	82.6
4"		114.30	127.7	44.6	95.8
6"		168.28	183.3	76.5	159.0

**DWV 90DEG ELBOW (II)**

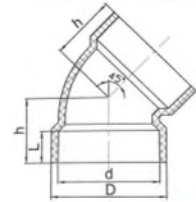
ITEM NO.:D02



Size	Nom	d	D	L	h
2"		60.32	66.2	24	65.3
3"		88.9	93.0	40.8	91.0
4"		114.3	118.7	43.5	104.2

**DWV 45 DEG ELBOW**

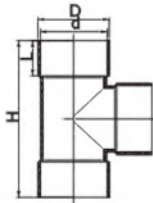
ITEM NO.:D03



Size	Nom	d	D	h	L
1-1/2"		48.26	56.8	35.3	17.6
2"		60.32	68.8	39.4	19.2
3"		88.9	100.7	66.6	38.2
4"		114.3	127.7	79.3	44.6
6"		168.28	183.3	125	76.5

**DWV 90DEG TEE (II)**

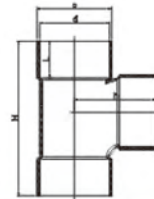
ITEM NO.:D04



Size	Nom	d	D	L	H
2"		65.11	60.11	115.5	19.05
3"		88.9	93.0	40.8	178.2
4"		114.3	118.7	43.5	208.5

**DWV TEE**

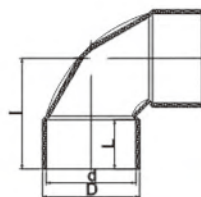
ITEM NO.:D05



Size	Nom	d	D	L	H	h
1-1/2"		48.26	56.8	17.6	109.3	63.2
2"		60.32	68.8	19.2	130.0	75.0
3"		88.90	100.7	38.2	199.8	115.0
4"		114.30	127.7	44.6	247.0	139.5
6"		168.28	183.3	76.5	380.0	205.0

**DWV BEND**

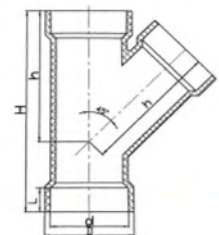
ITEM NO.:D06



Size	Nom	d	D	L	l
1-1/2"		48.26	55.5	19.0	52.8
2"		60.32	66.2	23.4	65.3
3"		88.90	94.2	38.8	116.8
4"		114.30	120.4	46.1	138.8
6"		168.28	176.1	75.8	177.9

**DWV Y-TEE**

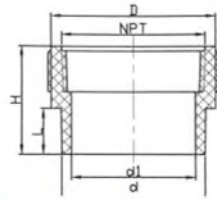
ITEM NO.:D07



Size	Nom	d	D	L	h	H
1-1/2"		48.26	56.8	17.6	90.8	138.8
2"		60.32	68.8	19.2	109.3	165.8
3"		88.9	100.7	38.2	165.2	241
4"		114.3	127.7	44.6	205.4	298.4
6"		168.28	183.3	76.5	306	443

**DWV PLUG**

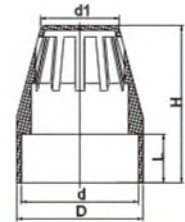
ITEM NO.:D10



Size	Nom	d	d1	D	NPT	L	H
1-1/4"		42.16	38	47.3	1-1/4"	15.5	38.6
1-1/2"		48.26	40	56.8	1-1/2"	17.7	41.5
2"		60.32	52	68.8	2"	19.3	45.5
3"		88.9	77.4	100.7	3"	38.3	73.5
4"		114.3	101.2	127.7	4"	44.7	82.8
6"		168.28	156	247.2	6"	75	120

**DWV VENT CAP**

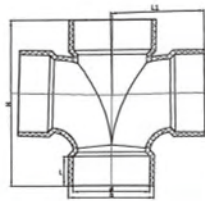
ITEM NO.:D11



Size	Nom	d	d1	D	L	H
2"		60.32	29.0	67.8	19.2	72.0
3"		88.90	45.0	96.4	38.2	93.9
4"		114.30	84.0	120.8	32.5	102.0

**DWV TRIPLE**

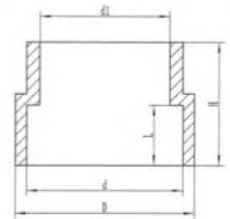
ITEM NO.:D12



Size	Nom	d	d1	D	L	H
4"		114.3	127.7	44.6	137.7	247

**DWV MALE ADAPTER**

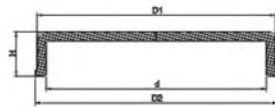
ITEM NO.:D13



Size	Nom	d	d1	D	L	H
2"		60.32	50.2	69	23.2	47.5

**DWV END CAP**

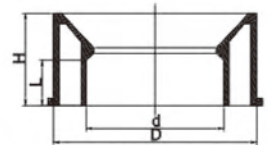
ITEM NO.:D14



Size	Nom	d	D1	D2	H
2"		60.32	64.1	66.3	23.5
3"		88.90	92.4	94.3	25.6
4"		114.30	120.2	122.5	28.3
6"		168.8	173.8	173.8	50

**DWV REDUCING BUSHING**

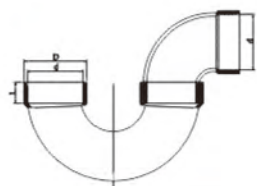
ITEM NO.:D15



Size	Nom	d	D	L	H
2" x 1-1/2"		48.26	68.8	17.4	32.5
4" x 2"		60.32	114.7	23.1	49.2
3" x 2"		60.32	89.4	19.6	40.6
4" x 3"		88.90	114.7	34.5	51.5

**S-TRAP WITHOUT CLEAN OUT**

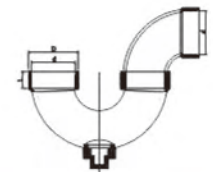
ITEM NO.:D16



Size	Nom	d	D	L
1-1/2"		48.26	54.2	18.5
2"		60.32	69.0	25.0

**S-TRAP WITH MALE CLEAN OUT**

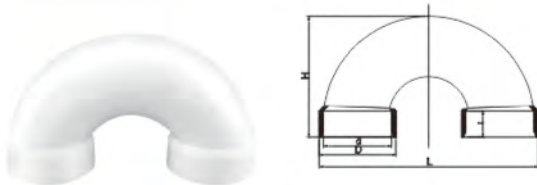
ITEM NO.:D17



Size	Nom	d	D	L
1-1/2"		48.26	54.2	18.5
2"		60.32	69.0	25.0

**DWV U-ELBOW**

ITEM NO.:D18



Size	Nom	d	D	L	H
1-1/2"		48.26	54.2	18.5	85.2
2"		60.32	69.0	25.0	106.3

**DWV ELBOW M\*F**

ITEM NO.:D19



Size	Nom	d1	D1	L	d2	D2
1-1/2"		48.26	54.2	18.5	41.9	48.0
2"		60.32	69.0	25.0	56.0	60.3

**DWV TRAP WITH UNION**

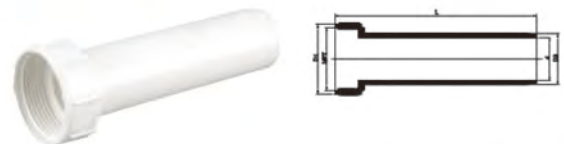
ITEM NO.:D20



Size	Nom	d	D	L
1-1/2"		48.26	54.2	18.5

**TAIL PIECE**

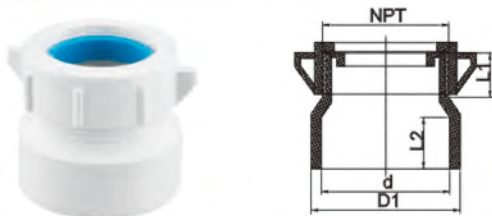
ITEM NO.:D21



Size	Nom	NPT	D1	L	d	D2
1-1/2"		1-1/2"	53.5	154.7	33.2	37.8
1-1/4"		1-1/4"				

**TRAP**

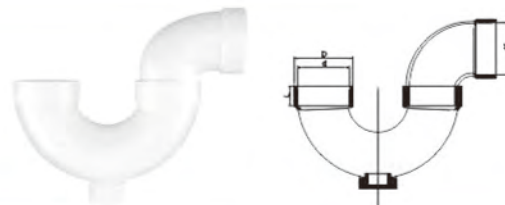
ITEM NO.:D22



Size	Nom	d	D1	NPT	L1	L2
1-1/2"		48.26	57.6	1-1/2"	18.2	19.8

**S-TRAP WITH FEMALE CLEAN OUT**

ITEM NO.:D23



Size	Nom	d	D	L
1-1/2"		48.26	54.2	18.5
2"		60.32	69.0	25.0

**DWV REDUCING Y-TEE**

ITEM NO.:D25



Size	Nom	d	d1	D	D1	L1	L2
4" x 2"		114.3	60.3	121.5	66.3	47	21.5

**DWV REDUCING TEE**

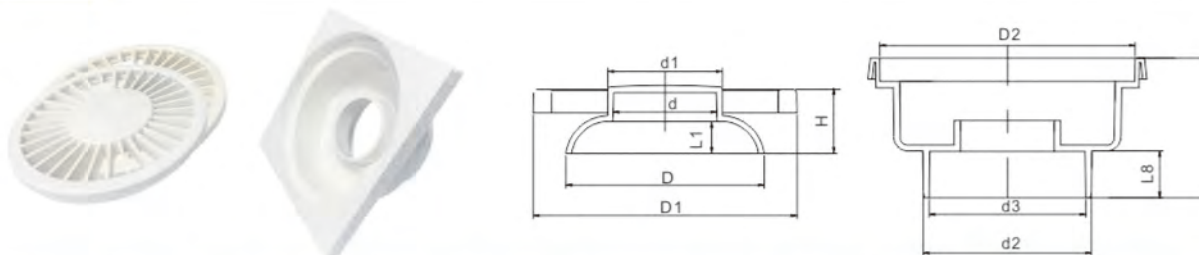
ITEM NO.:D28



Size	Nom	d	d1	D	D1	L1	L2	H
4" x 2"		114.3	60.3	121.5	66.3	47	21	189

**FLOOR DRAIN**

ITEM NO.:D30



Size	Nom	d	d1	D	D1	L	H	d2	d3	D2	L1	H1
2"		35.9	39.7	68.6	91.3	8	22	60.34	56.2	91.6	16.7	50

**DWV COUPLER (III)**

ITEM NO.:D01



Size	Nom	L	D	D1	D2
1-1/2"	17.4	56.56	48.64	48.11	48.11
2"	19.1	68.63	60.71	60.17	60.17
3"	38.1	100.53	89.41	88.7	88.7
4"	44.45	127.5	114.8	114.1	114.1

**DWV 45 DEG ELBOW (III)**

ITEM NO.:D03



Size	Nom	L	D	D1	D2	L1
1-1/2"	17.44	56.56	48.64	48.11	48.11	48.11
2"	19.1	68.63	60.71	60.17	60.17	60.17
3"	38.1	100.53	89.41	88.7	88.7	88.7
4"	44.5	127.5	114.8	114.1	114.1	114.1

**DWV 90DEG ELBOW (III)**

ITEM NO.:D06



Size	Nom	L	D	D1	D2	L1	L2
1-1/2"	17.5	56.56	48.64	48.11	44	44	44
2"	19.1	68.63	60.71	60.17	59	59	59
3"	38.1	100.53	89.41	88.7	78	78	78
4"	44.5	127.5	114.8	114.1	98	98	98

**DWV Y-TEE(III)**

ITEM NO.:D08



Size	Nom	L	D	D1	D2	L1	L2	L3
1-1/2"	17.5	56.56	48.64	48.11	73	29	73	73
2"	19.1	68.63	60.71	60.17	92	35	92	92
3"	38.1	100.53	89.41	88.7	127	41	127	127
4"	44.5	127.5	114.8	114.1	162	48	162	162

**DWV TEE(III)**

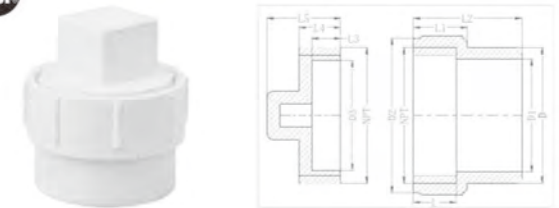
ITEM NO.:D09



Size	Nom	L	D	D1	D2	L1	L2	L3
1-1/2"	17.4	56.56	48.64	48.11	44	25	44	44
2"	19.1	68.63	60.71	60.17	59	35	59	59
3"	38.1	100.53	89.41	88.7	78	46	78	78
4"	44.45	127.5	114.8	114.1	98	57	98	98

**DWV PLUG(III)**

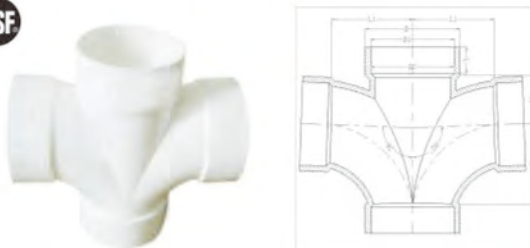
ITEM NO.:D10



Size	Nom	NPT	D	D1	D2	D3	L	L1	L2	L3	L4	L5
1-1/4"	1-1/4"	42.16	35	48	34.2	13.5	17	34	9	13	23	23
1-1/2"	1-1/2"	48.26	40.9	55	40.3	15.5	20	38	11	15	25	25
2"	2"	127.5	52.5	68	52.3	16	20	40	11.5	15.5	30.5	30.5
3"	3"	88.9	77.9	100	78	20.5	27	65	14.5	20	40	40
4"	4"	114.3	102.26	125	101.6	22	28	72	15.5	21.5	46.5	46.5

**DWV TRIPLE(III)**

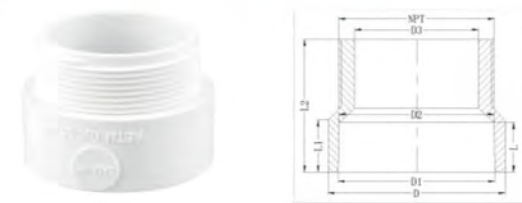
ITEM NO.:D12



Size	Nom	D	D1	D2	L	L1	L2	L3
2"	68.63	60.71	60.17	19.1	59	35	59	59
3"	100.53	89.41	88.7	38.1	78	46	78	78
4"	127.5	114.8	114.1	44.5	98	57	98	98

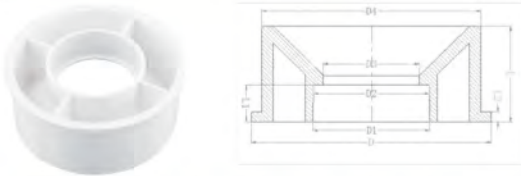
**DWV REDUCING BUSHING(III)**

ITEM NO.:D13



Size	Nom	NPT	D	D1	D2	D3	L	L1	L2
1-1/2"x1-1/4"	1-1/4"	56.56	48.64	48.11	33	17.93	20.1	49.64	49.64
2"	2"	68.63	60.71	60.17	48	19.1	20.1	51.27	51.27
4"	4"	127.5	114.8	114.1	98	44.5	48.9	99.55	99.55

**DWV REDUCING BUSHING(III)** ITEM NO.:D15



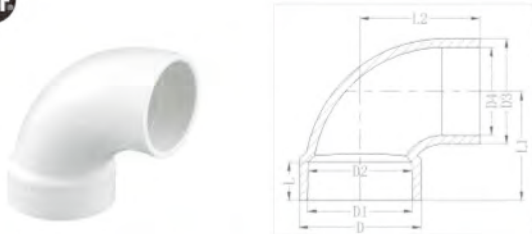
Size	Nom	D	D1	D2	D3	D4	L	L1	L2
2"x1-1/2"	65	48.64	48.11	40	60.32	24.1	17.5	5	
3"x2"	95	60.71	60.17	55	88.9	43.1	19.1	5	
4"x2"	125	60.71	60.17	50	114.3	49.5	19.1	5	
4"x3"	125	89.41	88.7	80	114.3	49.5	38.1	5	
6"x4"									

**S-TRAP WITH MALE CLEAN OUT(III)** ITEM NO.:D17



Size	Nom	NPT	D	D1	D2	L	L1	L2	L3	L4	L5	L6
1-1/2"	1-1/2"	56.64	48.64	48.11	17.5	92	50.8	107	76	35	17	
2"	2"	68.71	60.71	60.17	19.1	116	65	184	127	57	17	

**DWV ELBOW M\*F(III)** ITEM NO.:D19



Size	Nom	D	D1	D2	D3	D4	L	L1	L2
1-1/2"	56.64	48.64	48.11	48.26	20.46	17.5	35	77.94	
2"	68.71	60.71	60.17	60.32	52.32	19.1	116	106.91	

**PVC FLANGE** ITEM NO.:D24



Size	Nom	d	d2	D	D1	L1	L2
4"x3"	89.2	100	176	146	59.5	11	
4"	114	127.5	180	152	45.5	10	

**S-TRAP WITHOUT CLEAN OUT(III)** ITEM NO.:D16



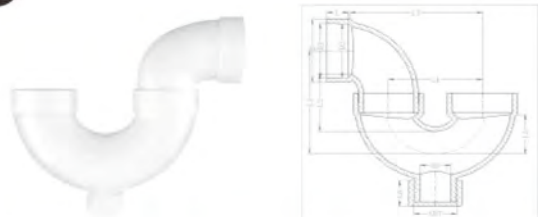
Size	Nom	D	D1	D2	L	L1	L2	L3	L4	L5
1-1/2"	56.64	48.64	48.11	17.5	92	50.8	107	76	35	
2"	68.71	60.71	60.17	19.1	116	65	184	127	57	

**DWV U-ELBOW(III)** ITEM NO.:D18



Size	Nom	D	D1	D2	L	L1	L2	L3
1-1/2"	56.64	48.64	48.11	17.5	35	77.94	76	
2"	68.71	60.71	60.17	19.1	116	106.91	127	

**S-TRAP WITH FEMALE CLEAN OUT(III)** ITEM NO.:D23



Size	Nom	NPT	D	D1	D2	L	L1	L2	L3	L4	L5	L6
1-1/2"	1-1/2"	56.64	48.64	48.11	17.5	92	50.8	107	76	35	22.8	
2"	2"	68.71	60.71	60.17	19.1	116	65	184	127	57	22.8	

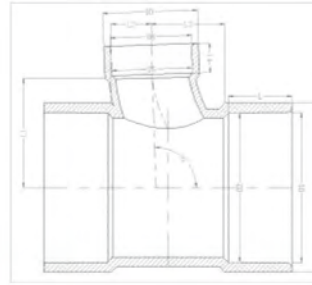
**DWV REDUCING Y-TEE (III)** ITEM NO.:D25



Size	Nom	L	D	D1	D2	D3	D4	D5	L1	L2	L3	L4
2"-1/2"	19.1	68.63	60.71	60.17	56.56	48.64	48.11	17.4	84	27	87	
4"2"	44.5	127.5	114.8	114.1	68.63	60.71	60.17	19.1	119	10	141	
4"3"	44.5	127.5	114.8	114.1	100.53	89.41	88.7	38.1	141	27	152	

**DWV REDUCING TEE(III)**

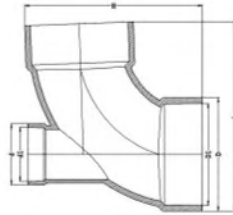
ITEM NO.:D28



Size	Nom	L	D	D1	D2	D3	D4	D5	L1	L2	L3	L4
3*1-1/2"		38.1	100.53	89.41	88.7	56.56	48.64	48.11	65	24	44	17.44
3*2"		38.1	100.53	89.41	88.7	68.63	60.71	60.17	73	30	54	19.1
4*2"		44.5	127.5	114.8	114.1	68.63	60.71	60.17	84	29	52	19.1
4*3"		44.5	127.5	114.8	114.1	100.53	89.41	88.7	90	44	76	38.1

**90 ELBOW WITH LOW HEEL**

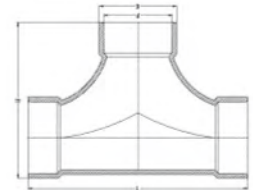
ITEM NO.:D31



Size	Nom	L	H	D	D1	d1	d2
3**1-1/2"		172	168	100.5	89.41	56.6	48.64
3**2"		172	168	100.5	89.41	68.6	60.71
4**2"		213	208	127.5	114.8	68.6	60.71

**2 WAY CLEANOUT TEE**

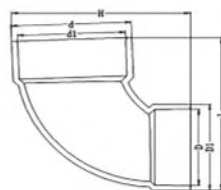
ITEM NO.:D32



Size	Nom	L	H	D	d
3"		286	193	100.5	89.41
4"		344	236	127.5	114.8

**PVC 90 CLOSET ELBOW**

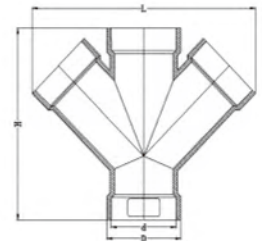
ITEM NO.:D33



Size	Nom	L	H	D	D1	d1	d2
4**3"		178.4	189.8	100.5	127.5	127.5	114.8

**PVC DOUBLE WYE**

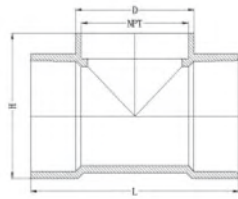
ITEM NO.:D34



Size	Nom	L	H	D	d
2"		208	169	68.63	60.71
3"		307	248	100.53	89.41
4"		384	302	127.5	114.8

**PVC TEST TEE WITH PLUG**

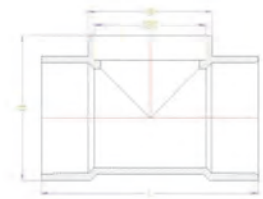
ITEM NO.:D35



Size	Nom	L	H	D	HPT
1-1/2"		98	74	55	1-1/2"
2"		117	88	69	2"
3"		176	117	100	3"
4"		222	150	128	4"

**PVC TEST TEE(FMEALE)**

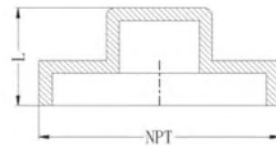
ITEM NO.:D36



Size	Nom	NPT	D	L	H
1-1/2"		1-1/2"	55	98	74
2"		2"	68.6	117	88
3"		3"	100	176	117
4"		4"	127.5	150	222

**PVC MALE PLUG**

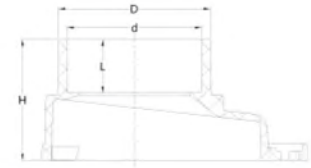
ITEM NO.:D37



Size	Nom	NPT	L
1-1/2"		1-1/2"	25.5
2"		2"	31
3"		3"	40.5
4"		4"	46.5

**PVC CLOSET FLANGE**

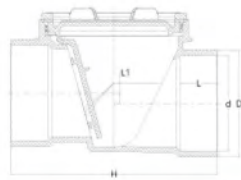
ITEM NO.:D41



Size	Nom	d	D	L	H
4"×3"		89.41	100.67	35.8	80.83

**PVC CHECK TEE**

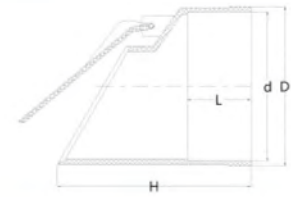
ITEM NO.:D42



Size	Nom	d	D	L	L1	H
2"		60.71	68.71	20	7.5	115
3"		89.41	100.53	38.1	9.8	188
4"		114.8	127.5	44.45	12.5	246.2
6"		168.8	183.08	76.2	19	381.3

**PVC SEWER BACKFLOW PREVENTER**

ITEM NO.:D43



Size	Nom	d	D	L	H
2"		60.71	65.2	19.05	72.51
3"		89.41	95.5	38.1	115.35
4"		114.8	122.1	44.45	140.44
6"		168.8	176	76.2	206.76

**PVC H-TYPE FOUR-WAY**

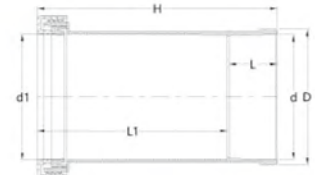
ITEM NO.:D44



Size	Nom	d	D	L	L1	H
4"		114.8	119.6	45	180	291

**PVC EXPANSION PIPE**

ITEM NO.:D45



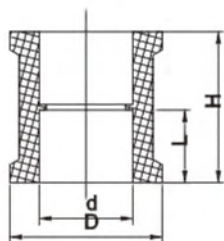
Size	Nom	d	d1	D	L	L1	H
4"		114.8	115.9	124.8	44.45	175	220

# PVC PRESSURE PIPE & FITTINGS(NBR5648)



**COUPLING**

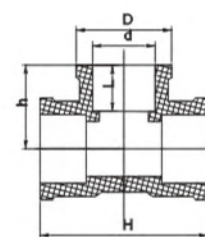
ITEM NO.:BN01



Size	Nom	D	d	L	H
20	28.5	28.5	20	16.5	35.0
25	34.0	34.0	25	18.5	40.3
32	43.0	43.0	32	22.5	47.6
40	51.5	51.5	40	26.2	55.5
50	63.0	63.0	50	31.3	65.7
63	80.0	80.0	63	37.5	79.0
75	95.6	95.6	75	44.2	93.0
85	111.0	111.0	85	50.0	108.2
90	120.4	120.4	90	55.7	123.4
110	130.6	130.6	110	61.1	131.0

**EQUAL TEE**

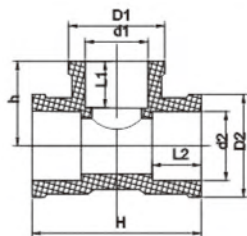
ITEM NO.:BN02



Size	Nom	D	d	L	h	H
20	28.5	28.5	20	16.5	28.0	54.2
25	34.0	34.0	25	18.5	31.8	64.0
32	43.0	43.0	32	22.5	40.0	78.2
40	51.5	51.5	40	26.2	47.1	95.0
50	63.0	63.0	50	31.3	58.0	115.0
63	80.0	80.0	63	37.5	70.0	140.0
75	95.6	95.6	75	44.2	82.5	163.4
85	111.0	111.0	85	50.0	95.2	190.2
90	120.4	120.4	90	55.7	108.0	216.5
110	130.6	130.6	110	61.1	122.7	246.0

**REDUCING TEE**

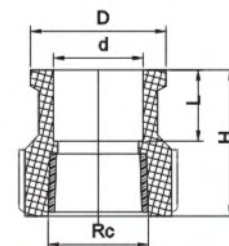
ITEM NO.:BN03



Size	Nom	D1	d1	D2	d2	L1	L2	h	H
25×20	28.5	20.0	34.0	25.0	16.5	18.5	29.6	59.2	
32×25	34.0	25.0	43.0	32.0	18.5	22.5	35.5	71.6	
40×32	43.0	32.0	51.5	40.0	22.5	26.2	44.0	86.5	

**FEMALE SOCKET**

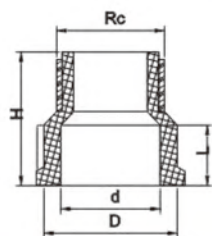
ITEM NO.:BN04



Size	Nom	D	d	Rc	L	H
20×1/2"	28.5	20	1/2"	16.5	36.2	
25×1/2"	33.3	25	1/2"	18.5	41.3	
25×3/4"	34.0	25	3/4"	18.5	40.2	
32×1"	43.0	32	1"	22.5	47.2	
40×1-1/4"	51.5	40	1-1/4"	26.2	55.0	
50×1-1/2"	62.0	50	1-1/2"	31.3	57.5	
63×2"	80.0	63	2"	37.5	62.3	

**MALE ADAPTER**

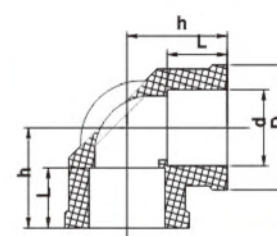
ITEM NO.:BN05



Size	Nom	D	d	Rc	L	H
20×1/2"	28.5	20	1/2"	16.5	38.0	
25×3/4"	34.0	25	3/4"	18.5	42.0	
32×1"	43.0	32	1"	22.5	49.5	
40×1-1/4"	51.5	40	1-1/4"	26.2	56.0	
50×1-1/2"	63.0	50	1-1/2"	31.3	65.7	
63×2"	80.0	63	2"	37.5	78.6	
75×2-1/2"	95.6	75	2-1/2"	44.2	91.3	
85×3"	111.0	85	3"	50.0	105.5	
90×3"	120.4	90	3"	55.7	122.4	
110×4"	130.6	110	4"	61.1	134.2	

**90 DEG ELBOW**

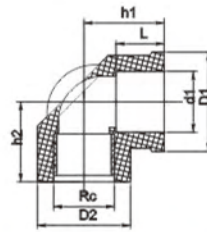
ITEM NO.:BN06



Size	Nom	D	d	L	h
20	28.5	20	16.5	27.4	
25	34.0	25	18.5	32.0	
32	43.0	32	22.5	39.3	
40	51.5	40	26.2	47.8	
50	63.0	50	31.3	58.5	
63	80.0	63	37.5	70.5	
75	95.6	75	44.2	82.5	
85	111.0	85	50.0	95.2	
90	120.4	90	55.7	108.0	
110	130.6	110	61.1	123.3	

**FEMALE ELBOW**

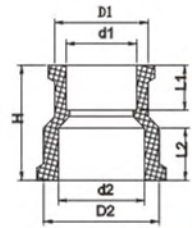
ITEM NO.:BN07



Size	Nom	D1	d1	D2	Rc	L	h1	h2
20×1/2"	28.5	20.0	30.2	1/2"	16.5	26.4	28.5	
25×3/4"	34.0	25.0	36.6	3/4"	18.5	33.0	32.0	
25×1/2"	34.0	25.0	30.2	1/2"	17.8	32.6	31.0	
32×1"	43.0	32.0	44.0	1"	22.5	39.4	39.5	

**REDUCING COUPLING**

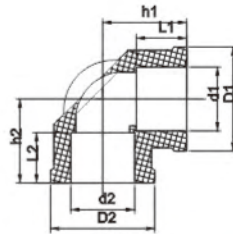
ITEM NO.:BN08



Size	Nom	D1	d1	D2	d2	L1	L2	H
25×20	28.5	20.0	34.0	25.0	16.5	18.5	40.0	
32×25	34.0	25.0	43.0	32.0	18.5	22.5	47.6	
40×32	43.0	32.0	51.5	40.0	22.5	26.2	56.0	

**REDUCING ELBOW**

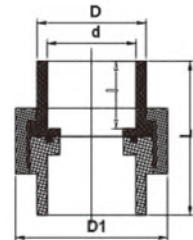
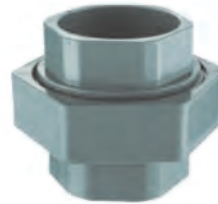
ITEM NO.:BN09



Size	Nom	D1	d1	D2	d2	L1	L2	h1	h2
25×20	28.5	20.0	34.0	25.0	16.5	18.5	30.0	29.8	
32×25	34.0	25.0	43.0	32.0	18.5	22.5	36.1	35.7	
40×25	34.0	25.0	52.0	40.0	18.5	26.2	38.7	41.1	
40×32	43.0	32.0	52.0	40.0	22.5	26.2	44.8	44.0	

**UNION**

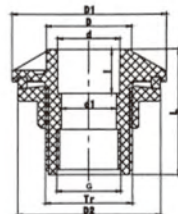
ITEM NO.:BN10



Size	Nom	D	d	D1	L
20	30.2	20.0	48.0	16.5	45.5
25	36.8	25.0	55.0	18.5	51.5
32	38.0	32.0	55.0	22.5	54.2
40	52.0	40.0	76.0	26.2	68.2
50	59.0	50.0	85.0	31.3	74.3
63	72.8	63.0	101.0	37.5	85.2

**TANK ADAPTER**

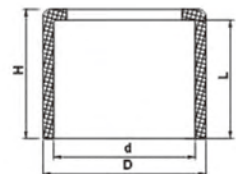
ITEM NO.:BN11



Size	Nom	d	d1	D	D1	G	Tr	D2	I	L
20×1/2"	20	17.6	28.5	63	1/2"	32.4	58	15.2	60	
25×3/4"	25	22.3	34	71.2	3/4"	38.2	65.4	18.6	60	
32×1"	32	28.6	44	79.5	1"	45	73.8	22.5	64	
40×1-1/4"	40	35	54.8	87.6	1-1/4"	53	82	26.2	64	
50×1-1/2"	50	43	61	95	1-1/2"	57.8	87.5	36.3	67.2	
63×2"	63	54.4	74.8	109	2"	73	102	37.5	67.5	

**REDUCING RING**

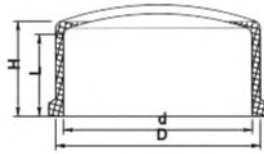
ITEM NO.:BN12



Size	Nom	D	d	L	H
25×20	25.0	20.0	16.5	18.7	
32×25	32.0	25.0	18.5	22.2	
40×32	40.0	32.0	22.5	26.2	
40×50	50.0	40.0	26.2	31.6	
63×50	63.0	50.0	31.3	37.9	

**END CAP**

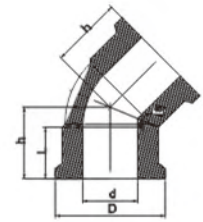
ITEM NO.:BN13



Size	Nom	D	d	L	H
20	28.5	20.0	16.5	21.5	
25	34	25.0	18.5	25.0	
32	43.0	32.0	22.5	29.0	
40	51.5	40.0	26.2	33.0	
50	63.0	50.0	31.3	39.2	
63	80.0	63.0	37.5	47.7	
75	95.6	75.0	44.2	56.5	
85	111.0	85.0	50.0	66.2	
90	120.4	90.0	55.7	78.4	
110	130.6	110.0	61.1	90.5	

**45 DEG ELBOW**

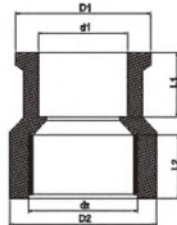
ITEM NO.:BN14



Size	Nom	d	D	L	h
20	20.0	27	16.5	21.5	
25	25.0	33.0	19.5	25.5	
32	32.0	41.3	22.5	30.0	
40	40.0	50.4	26.5	36.0	
50	50.0	61.0	31.5	43.5	
63	63.0	75.9	38.5	53.5	

**FEMALE SOCKET WITH BRASS**

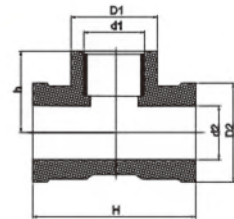
ITEM NO.:BN15



Size	Nom	d1	D1	d2	D2	L1	L2
20x1/2"	20	28.5	1/2"	30.2	18.5	16.5	
25x3/4"	25	34.0	3/4"	36.6	22.5	18.5	
32x1"	32	43.0	1"	44	26.2	22.5	

**FEMALE TEE WITH BRASS**

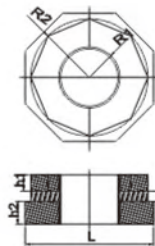
ITEM NO.:BN16



Size	Nom	d1	D1	d2	D2	h	H
20x1/2"	1/2"	30.2	20	28.5	28.0	54.2	
25x3/4"	3/4"	36.6	25	34.0	31.8	64.0	
32x1"	1"	44	32	43.0	40.0	78.2	

**PP BACKNUT**

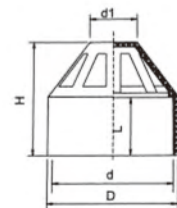
ITEM NO.:ZX901



Size	Nom	R1	R2	L	h1	h2	h3
32	32.0	62.4	68.4	8.6	12.0	5.6	

**PVC VENT CAP**

ITEM NO.:ZX903



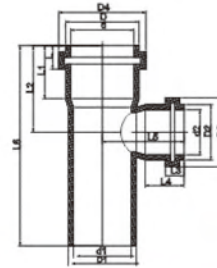
Size	Nom	d	d1	D	H	L
50	50	21	63	72	31.3	
75	75	45	95.6	93.2	44.2	
110	110	84	130.6	102.4	61.1	

# PVC DWV FITTINGS WITH SOCKET(NBR5688)



**REDUCING TEE WITH SOCKET**

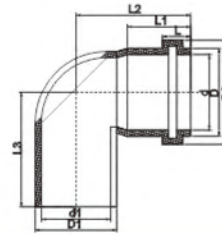
ITEM NO.:G01



Size	Nom	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
75×50		76.0	69.0	50.5	82.0	75.0	56.2	92.0	66.0	18.9	44.0	83.3	18.4	43.0	86.9	157.0
110×50		111.0	103.6	50.5	117.4	110.0	56.5	127.6	66.0	21.0	51.0	91.8	18.4	43.0	104.4	178.0
110×75		111.0	103.6	76.0	117.4	110.0	82.0	127.6	92.0	21.0	51.0	104.3	18.9	44.0	113.3	203.0
160×110		161.0	152.8	111.0	168.2	160.0	117.4	180.8	127.6	26.5	66.0	139.4	21.0	51.0	146.8	274.0

**ELBOW WITH SOCKET**

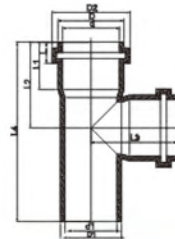
ITEM NO.:G02



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3
40		41.0	35.5	45.1	39.9	53.8	17.2	36.5	57.6	48.2
50		50.5	44.0	56.5	50.0	66.0	18.4	38.0	72.2	66.9
75		76.0	69.0	82.0	75.0	92.0	18.9	44.0	92.5	85.9
110		111.0	103.0	118.0	110.0	128.2	24.0	71.8	144.4	136.6
160		161.0	152.8	168.2	160.0	180.8	26.5	66.0	157.2	159.6

**TEE WITH SOCKET**

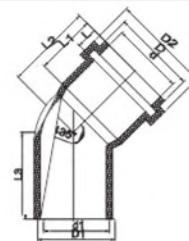
ITEM NO.:G03



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3	L4
40		41.0	35.5	45.1	39.9	53.8	17.2	38.0	61.6	73.3	127.4
50		50.5	46.0	54.5	50.0	64.0	17.5	45.7	79.0	87.8	159.0
75		76.0	69.0	82.0	75.0	92.0	18.9	44.0	95.8	95.8	182.0
110		111.0	103.0	118.0	110.0	128.2	24.0	72.5	149.0	142.3	283.0
160		161.0	152.8	168.2	160.0	180.8	26.5	66.0	164.4	164.4	324.0

**45DEG ELBOW WITH SOCKET**

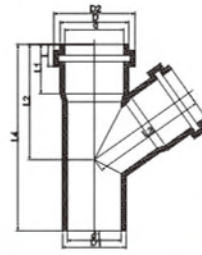
ITEM NO.:G04



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3
50		50.5	44.0	56.5	50.0	66.0	18.4	36.5	58.6	53.3
75		76.0	69.0	82.0	75.0	92.0	18.9	44.0	72.2	65.5
110		111.0	103.0	118.0	110.0	128.2	24.0	66.0	109.8	109.8
160		161.0	152.8	168.2	160.0	180.8	26.5	66.0	113.9	116.1

**SKEW TEE WITH SOCKET**

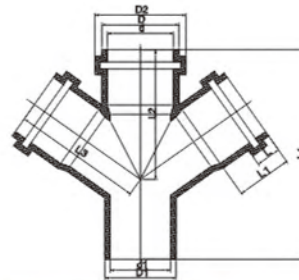
ITEM NO.:G05



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3	L4
50		50.5	44.0	56.5	50.0	66.0	18.4	36.5	105.1	105.1	159.0
75		76.0	69.0	82.0	75.0	92.0	18.9	44.0	143.4	143.4	209.0
110		111.0	103.0	118.0	110.0	128.2	24.0	72.5	215.4	215.4	318.5

**SKEW CROSS WITH SOCKET**

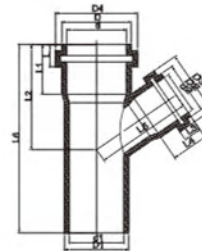
ITEM NO.:G06



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3	L4
110		111.0	103.0	118.0	110.0	128.2	24.0	72.5	215.4	215.4	318.5

**REDUCING SKEW TEE WITH SOCKET**

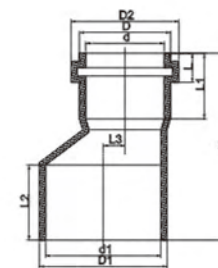
ITEM NO.:G07



Size	Nom	d	d1	d2	D	D1	D2	D3	D4	L	L1	L2	L3	L4	L5	L6
110x50		111.0	103.6	50.5	117.4	110.0	56.5	127.6	66.0	21.0	51.0	150.1	18.4	43.0	148.2	194.0

**REDUCING COUPLING**

ITEM NO.:G08



Size	Nom	d	d1	D	D1	D2	L	L1	L2	L3	H
110x50		50.5	103.6	56.5	110.0	66.0	18.4	36.5	63.0	30.0	132.0

# CPVC SCH40 PIPE & FITTINGS(ASTM D2846)





**CPVC PIPE**

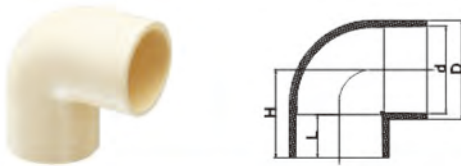
ITEM NO.:FGZ01



Size	Nom	e	D
1/2"		1.7	15.9
3/4"		2.0	22.2
1"		2.6	28.6
1-1/4"		3.2	34.9
1-1/2"		3.7	41.3
2"		4.9	54.0

**90 DEG ELBOW**

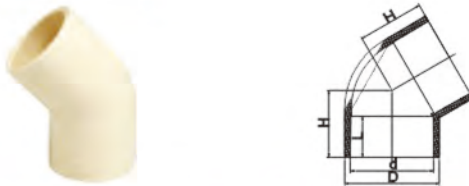
ITEM NO.:M02



Size	Nom	d	D	L	H
1/2"		15.9	21.5	13.0	23.1
3/4"		22.2	26.8	18.0	31.4
1"		28.6	34.5	23.0	39.2
1-1/4"		34.9	41.8	28.1	47.4
1-1/2"		41.3	49.4	33.5	55.4
2"		54.0	64.4	43.5	72.5

**45 DEG ELBOW**

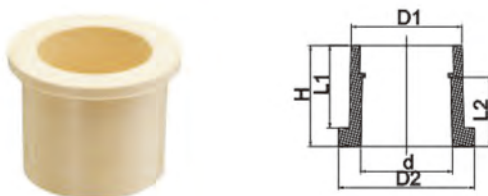
ITEM NO.:M04



Size	Nom	d	D	L	H
1/2"		15.9	20.0	13.0	18.8
3/4"		22.2	26.8	18.0	24.3
1"		28.6	34.5	23.0	30.9
1-1/4"		34.9	41.8	28.1	37.1
1-1/2"		41.3	49.5	33.5	44.0
2"		54.0	64.6	43.5	56.5

**REDUCING BUSH**

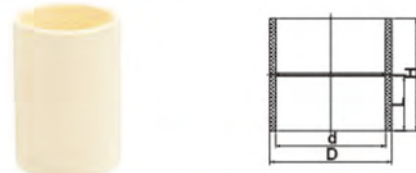
ITEM NO.:M06



Size	Nom	d	D1	D2	L1	L2	H
3/4" x 1/2"		16.1	22.1	26.4	18.2	13.2	21.0
1" x 1/2"		16.1	28.6	34.6	20.4	16.3	25.0
1" x 3/4"		22.4	28.6	34.6	22.1	19.2	28.6

**SOCKET**

ITEM NO.:M01



Size	Nom	d	D	L	H
1/2"		15.9	21.5	13.0	28.9
3/4"		22.2	26.8	18.0	39.5
1"		28.6	34.5	23.0	50.0
1-1/4"		34.9	41.8	28.1	60.0
1-1/2"		41.3	49.4	33.5	70.5
2"		54.0	64.4	43.5	90.5

**STRAIGHT TEE**

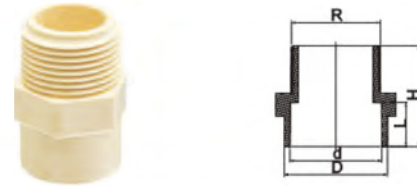
ITEM NO.:M03



Size	Nom	d	D	L	H
1/2"		15.9	21.5	13.0	21.9
3/4"		22.2	26.8	18.0	31.0
1"		28.6	34.5	23.0	40.0
1-1/4"		34.9	41.8	28.1	47.8
1-1/2"		41.3	49.4	33.5	56.0
2"		54.0	64.4	43.5	72.5

**MALE ADAPTER**

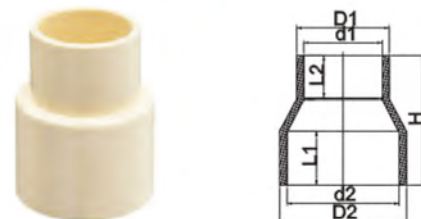
ITEM NO.:M05



Size	Nom	d	D	R	L	H
1/2"		15.9	21.5	1/2"	13.0	41.4
3/4"		22.2	26.8	3/4"	18.0	42.0
1"		28.6	34.5	1"	23.0	47.0
1-1/4"		34.9	41.8	1-1/4"	28.1	55.0
1-1/2"		41.3	49.4	1-1/2"	33.5	62.0
2"		54.0	64.4	2"	43.5	75.0

**REDUCING SOCKET**

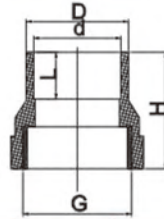
ITEM NO.:M07



Size	Nom	d1	d2	D1	D2	L1	L2	H
3/4" x 1/2"		15.9	22.2	20.0	26.8	18.0	13.0	33.7
1" x 1/2"		15.9	28.6	20.0	34.4	23.0	13.0	39.0
1" x 3/4"		22.2	28.6	26.8	34.4	23.0	18.0	44.0

**FEMALE ADAPTER**

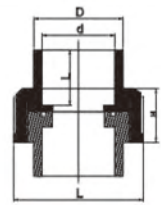
ITEM NO.:M08



Size	Nom	d	D	G	L	H
1/2"	15.9	20.0	1/2"	13.0	35.0	
3/4"	22.2	26.8	3/4"	18.0	42.0	
1"	28.6	34.5	1"	19.3	50.0	
1-1/4"	34.9	41.8	1-1/4"	28.1	58.0	
1-1/2"	41.3	49.5	1-1/2"	33.5	68.0	
2"	54.0	64.6	2"	43.5	87.0	

**UNION**

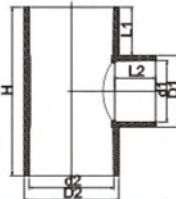
ITEM NO.:M09



Size	Nom	d	D	L	H
1/2"	15.9	21.8	13.0	36.5	
3/4"	22.2	32.5	22.0	53.5	
1"	28.6	34.4	23.0	57.5	
1-1/4"	35.2	41.8	28.1	65.1	
1-1/2"	41.7	49.2	33.5	75.7	
2"	54.4	64.6	43.5	99.2	

**REDUCING TEE**

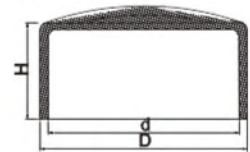
ITEM NO.:M10



Size	Nom	d1	d2	D1	D2	L1	L2	H
3/4" x 1/2"	15.9	22.2	20.0	26.9	18.0	13.0	54.5	
1" x 1/2"	15.9	28.6	20.0	34.4	23.0	13.0	64.8	
1" x 3/4"	22.2	28.6	26.9	34.0	23.0	18.0	71.2	

**END CAP**

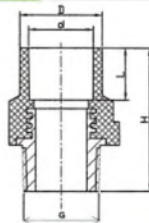
ITEM NO.:M11



Size	Nom	d	D	H
1/2"	15.9	21.5	17.0	
3/4"	22.2	26.8	25.5	
1"	28.6	34.5	32.0	
1-1/4"	35.2	41.8	41.0	
1-1/2"	41.7	49.4	44.0	
2"	54.4	64.4	57.0	

**BRASS THREADED MALE ADAPTER**

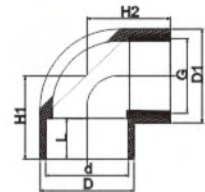
ITEM NO.:M12



Size	Nom	d	D	d1	G	L	H
1/2"	15.9	20.1	1/2"	13	35		
3/4"	17.7	28.5	22.4	3/4"	18	49.6	
1"	23.5	35	28.8	1"	23	66.1	
1-1/4"	28.5	44	35.2	1-1/4"	28.1	73.6	
1-1/2"	33.5	51.5	41.7	1-1/2"	33.5	81	
2"	44	66	54.4	2"	43.5	97.1	

**BRASS THREADED FEMALE ELBOW**

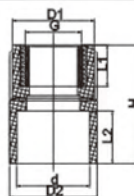
ITEM NO.:M13



Size	Nom	d	D	D1	G	L	H1	H2
1/2"	15.9	20.0	32.1	1/2"	13.3	28.2	27.0	
3/4"	22.2	26.8	38.1	3/4"	18.7	33.6	33.7	
3/4" x 1/2"	28.7	34.2	32.1	1/2"	23.1	36.0	36.0	
1" x 1/2"	34.7	41.5	32.1	1/2"	28.3	40.5	39.4	

**BRASS THREADED FEMALE ADAPTER**

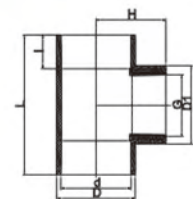
ITEM NO.:M14



Size	Nom	d	D2	D1	G	L1	L2	H
1/2"	15.9	21.5	32.1	1/2"	18.0	15.0	33.7	
3/4"	22.2	26.8	38.1	3/4"	20.6	17.4	39.0	
1"	28.6	34.5	42.3	1"	23.0	18.0	44.0	
3/4" x 1/2"	22.2	26.8	32.1	1/2"	18.0	17.4	36.1	
1" x 1/2"	28.6	34.5	32.1	1/2"	18.0	18.0	38.4	

**BRASS THREADED FEMALE TEE**

ITEM NO.:M15

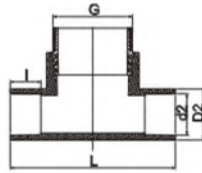


Size	Nom	d	D	D1	G	L	I	H
1/2"	15.9	20.0	33.2	1/2"	52.0	18.0	39.0	
3/4" x 1/2"	22.2	26.8	33.2	1/2"	68.5	18.0	31.5	
1" x 1/2"	28.6	34.5	34.9	1/2"	80.0	23.0	35.0	



**BRASS THREADED MALE TEE**

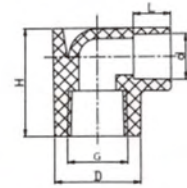
ITEM NO.:M16



Size	Nom	G	d2	D2	I	L
1/2"	1/2"	15.9	21.5	13.0	21.9	
3/4" x 1/2"	1/2"	22.2	26.8	18.0	31.0	
1" x 1/2"	1/2"	28.6	34.5	23.0	40.0	

**CPVC ELBOW WITH PLATE**

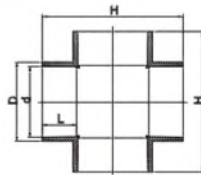
ITEM NO.:M17



Size	Nom	d	D	G	H	L
1/2"		15.9	30	1/2"	38.2	13

**CPVC CROSS**

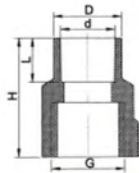
ITEM NO.:M18



Size	Nom	d	D	L	H
1/2"		15.9	21.5	13.0	44.0
3/4"		22.2	27.0	18.0	62.0
1"		28.6	34.0	23.0	80.0
1-1/4"		34.9	42.0	28.0	95.5
1-1/2"		41.3	49.0	33.0	112.0
2"		54.0	65.0	43.0	145.0

**FEMALE COUPLING (COPPER THREAD)**

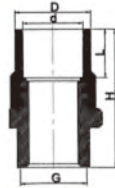
ITEM NO.:M19



Size	Nom	d	D	G	L	H
1/2"		15.9	21.7	1/2"	13	42.5
3/4"		22.2	28.5	3/4"	18	50
1"		28.6	35	1"	23	65
1-1/4"		34.9	44	1-1/4"	28.1	77
1-1/2"		41.3	51.5	1-1/2"	33.5	84
2"		54	64.4	2"	43.5	94

**MALE COUPLING (COPPER THREAD)**

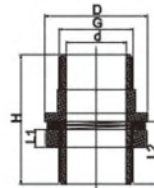
ITEM NO.:M20



Size	Nom	d	D	G	L	H
1/2"		15.9	21.7	1/2"	13	48
3/4"		22.2	28.5	3/4"	18	53
1"		28.6	35	1"	23	71
1-1/4"		34.9	44	1-1/4"	28.1	80
1-1/2"		41.3	51.5	1-1/2"	33.5	88
2"		54	64.4	2"	38.5	94

**TANK COUPLING**

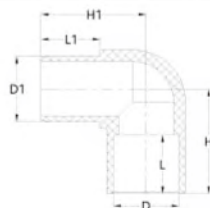
ITEM NO.:M21



Size	Nom	d	D	G	L1	L2	H
1/2"		13.4	39.4	1/2"	8.0	30.0	66.0
3/4"		19.0	45.4	3/4"	10.1	35.0	74.3
1"		23.5	51.4	1"	12.0	40.0	82.0
1-1/4"		31.0	61.0	1-1/4"	12.0	45.0	90.0
1-1/2"		36.0	67.0	1-1/2"	14.0	50.0	98.0
2"		45.0	79.0	2"	14.0	55.0	106.0

**STREET ELBOW**

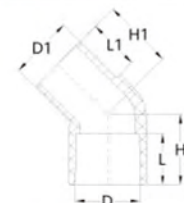
ITEM NO.:M22



Size	Nom	H	H1	D1	D1	L	L1
1/2"		22.4	25.7	16	16	12.8	12.8
3/4"		30.8	34.8	22.3	22.3	18.6	17.8
1"		39	43	28.8	28.8	23.3	22.9

**45 DEG STREET ELBOW**

ITEM NO.:M23



Size	Nom	H	H1	D1	D1	L	L1
1/2"		18.1	18.1	16.1	15.9	12.7	12.7
3/4"		24.5	24.5	22.45	22.2	17.8	17.8

**CLAMP**

ITEM NO.:M24



Size	Nom	D	L	H
1/2"		15.9	22.2	28.6
3/4"		29	39	46.5
1"		21.2	28	34.7

**TEE MIXER**

ITEM NO.:M26



Size	Nom	d	L	H	H1
1/2"		16.1	12.7	128	72

**RUNNING TRAP**

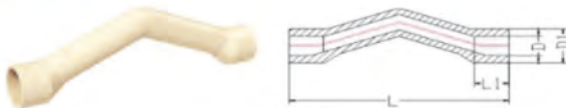
ITEM NO.:M33



Size	Nom	D	D1	L	L1
1/2"		16.0	105	210	29
3/4"		22.3	120	240	38.45

**OVER BEND**

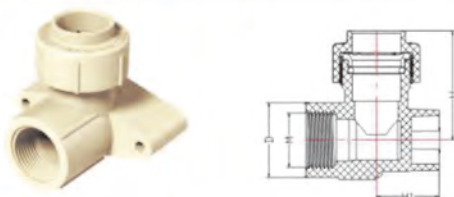
ITEM NO.:M35



Size	Nom	D	D1	L	L1
1/2"		15.9	28.5	152	12.8
3/4"		22.2	32.5	193	17.9
1"		22.2	42.5	271	23.0
1-1/4"		28.6	42.6	260	28.2
1-1/2"		28.6	50.0	300	33.2
2"		28.6	64.6	320	43.5

**EAR COUPLING ELBOW**

ITEM NO.:M37



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

**MALE PLUG**

ITEM NO.:M25



Size	Nom	D	L	L1
1/2"		30	61.5	1/2"
3/4"		37.5	75.8	3/4"

**45 DEG STREET ELBOW**

ITEM NO.:M27



Size	Nom	H	H1	D1	D1	L	L1
1/2"		16.1	15.9	12.7	12.7	128	61.36

**COMPRESSION COUPLING**

ITEM NO.:M34



Size	Nom	D	L1	L
1/2"		16.5	36.5	95
3/4"		22.8	43.3	105
1"		29.0	52.0	115

**CLIP**

ITEM NO.:M36



Size	Nom	D	L	Z	H
1/2"		15.9	37.9	11.9	21.5
3/4"		22.2	45.7	11.9	28.5
1"		28.6	54.2	12.1	35.2
1-1/4"		34.9	70.2	14.3	42.2
1-1/2"		41.3	84.0	15.5	50.3
2"		54.0	94.0	15.7	64.7

**COMPRESSION COUPLING**

ITEM NO.:M38

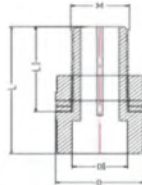


Size	Nom	D	H1	H	M
1/2"		20.33	59.1	35.5	1/2"
3/4"		26.3	59.7	42.4	3/4"



**TANK CONNECTOR**

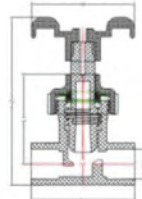
ITEM NO.:M39



Size	Nom	D	D1	L1	L	M
3/4"		28.5	22.2	50	74.8	1/2"
1"		34.5	28.6	50	78.0	3/4"

**STOP VALVE**

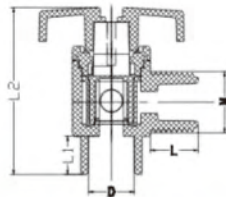
ITEM NO.:M41



Size	Nom	D	L	L1	Z	H	M
1/2"		15.9	54.6	47.5	88.5	54.0	1/2"

**ANGLE VALVE**

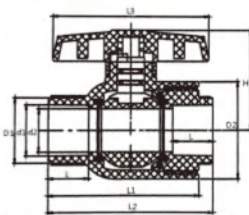
ITEM NO.:M43



Size	Nom	M	L	L1	D	L2
1/2"		1/2"	16.5	13.3	15.72	57.9

**CPVC SINGLE UNION VALVE**

ITEM NO.:M45



Size	Nom	d1	d2	D1	D2	L	L1	L2	L3	H
1/2"		16	12.4	22.7	35	13	56	59	52	34.4
3/4"		22.5	18	29.8	44	18	73	76.6	70	45
1"		28.8	24.5	36.8	55	23	86	94	89.4	56.8
1-1/4"		35.2	33	47.2	66.5	28.1	103	113	96.6	70
1-1/2"		41.7	35.5	54.8	73.3	33.5	115.8	131	108.2	79.1
2"		54.4	44	68.5	89	43.5	146.7	161.9	124.4	90.2

**SHOWER KIT**

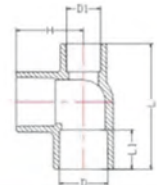
ITEM NO.:M47



SIZE
1/2"

**REDUCING TEE Y**

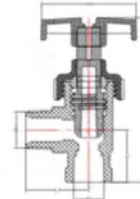
ITEM NO.:M40



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

**ANGLE VALVE**

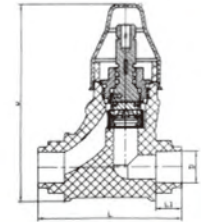
ITEM NO.:M42



Size	Nom	D	L	L1	Z	H	M
1/2"		15.9	27.7	33.3	87.0	50.3	1/2"

**CHECK VALVE**

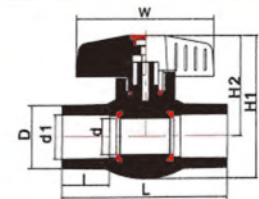
ITEM NO.:M44



Size	Nom	D	H	L	L1
1/2"		16.08	98.4	70.8	13

**CPVC COMPACT BALL VALVE**

ITEM NO.:M46



Size	Nom	d	d1	D	I	L	H1	H2	W
1/2"		12.4	15.9	24	19	68.5	58	40.7	60
3/4"		18.4	22.2	32	24	84	73	51.6	70.2
1"		20.5	28.6	38.4	25	91	77	52.3	79
1-1/4"		25	34.9	45.8	28.5	105.5	93.5	65.2	100
1-1/2"		30.6	41.3	53.5	33.5	121	104.8	72.3	108
2"		41	54	68.4	43.5	149	122	82	130

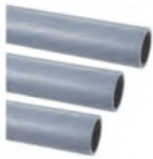
PRESSURE FOR HOT & COLD

# CPVC SCH80 PIPE & FITTINGS(ASTM F439)



**CPVC ASTM SCH80 PIPES**

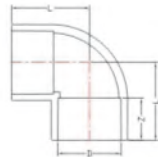
ITEM NO.:GGZ01



Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
D(mm)	21.3	26.7	33.4	42.2	48.3	60.3	73	88.9	114.3
L(mm)	4m	4m	4m	4m	4m	4m	4m	4m	4m
Z(mm)	3.7	3.9	4.6	4.9	5.1	5.5	7.1	7.6	8.6

**90 DEG ELBOW**

ITEM NO.:CS02



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

**EQUAL TEE**

ITEM NO.:CS04



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

**COUPLING**

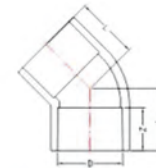
ITEM NO.:CS01



Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
D(mm)	21.34	26.67	33.40	42.16	48.26	60.32	73.02	88.90	114.30
L(mm)	36.5	42.5	62.5	68.5	74.5	80.5	97.0	103.0	123.0
Z(mm)	24.0	27.0	30.0	33.0	36.0	39.0	46.0	49.0	59.0

**45 DEG ELBOW**

ITEM NO.:CS03



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

**REDUCING TEE**

ITEM NO.:CS05

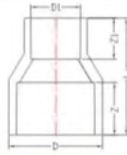


Size(mm)	3/4"x1/2"	1-1/2"x1"	1"x3/4"	1-1/4"x3/4"	1-1/4"x1"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1-1/4"
D(mm)	26.67	33.40	33.40	42.16	42.16	48.26	48.26	60.30
L(mm)	39.5	42.5	45.5	48.5	51.5	56.0	61.0	64.0
Z(mm)	27.0	30.0	30.0	33.0	33.0	36.0	36.0	39.0
D1(mm)	21.34	21.34	26.67	26.67	33.40	33.40	42.16	42.16
L1(mm)	39.0	42.0	45.5	50.0	53.0	57.5	61.0	67.0
Z1(mm)	24.0	24.0	27.0	27.0	30.0	30.0	33.0	33.0

Size(mm)	2"x1-1/2"	2-1/2"x1-1/2"	2-1/2"x2"	3"x2"	3"x2-1/2"	4"x2-1/2"	4"x3"
D(mm)	60.32	73.02	73.02	88.90	88.90	114.30	114.30
L(mm)	64.0	74.0	80.0	83.0	89.5	99.5	107.5
Z(mm)	39.0	46.0	46.0	49.0	49.0	59.0	59.0
D1(mm)	48.26	48.26	60.32	60.32	73.02	73.02	88.90
L1(mm)	70.0	76.5	79.5	87.5	107.0	107.0	110.0
Z1(mm)	36.0	36.0	39.0	39.0	46.0	46.0	49.0

**REDUCING COUPLING**

ITEM NO.:CS06



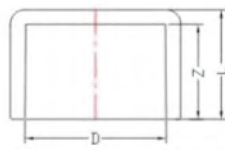
Size(mm)	3/4"x1/2"	1"x1/2"	1"x3/4"	1-1/4"x3/4"	1-1/4"x1"	1-1/2"x1"	1-1/2"x1-1/4"	2"x1-1/4"
D(mm)	26.67	33.40	33.40	42.16	42.16	48.26	48.26	60.30
L(mm)	60.0	63.0	67.5	75.0	69.0	77.0	83.5	89.0
Z(mm)	27.0	30.0	30.0	33.0	33.0	36.0	36.0	39.0
D1(mm)	21.34	21.34	26.67	26.67	33.40	33.40	42.16	42.16
Z1(mm)	24.0	24.0	27.0	27.0	30.0	30.0	33.0	33.0

Size(mm)	2"x1-1/2"	2-1/2"x1-1/2"	2-1/2"x2"	3"x2"	3"x2-1/2"	4"x2-1/2"	4"x3"
D(mm)	60.32	73.02	73.02	88.90	88.90	114.30	114.30
L(mm)	94.0	99.0	102.0	106.5	115.5	124.5	130.0
Z(mm)	39.0	46.0	46.0	49.0	49.0	59.0	59.0
D1(mm)	48.26	48.26	60.32	60.32	73.02	73.02	88.90
Z1(mm)	36.0	36.0	39.0	39.0	46.0	46.0	49.0

**END CAP**

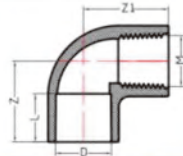
ITEM NO.:CS08



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

**FEMALE ELBOW 90°**

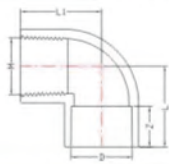
ITEM NO.:CS10



Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
D(mm)	21.34	26.67	33.40	42.16	48.26	60.32
L(mm)	17.5	18.5	22.5	24.0	28.0	29.5
Z(mm)	31.2	33.5	42.5	48.5	54.2	63.5
Z1(mm)	32.6	40.0	48.0	61.0	61.0	63.2
M(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"

**FEMALE ADAPTER**

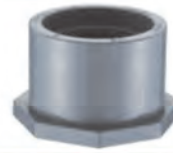
ITEM NO.:CS12



Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
D(mm)	21.34	26.67	33.40	42.16	48.26	60.32	73.02	88.90	114.30
L(mm)	50.5	56.5	62.5	68.5	74.5	80.5	97.0	103.0	123.0
Z(mm)	24.0	27.0	30.0	33.0	36.0	39.0	45.0	49.0	59.0
M(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"

**REDUCING RING**

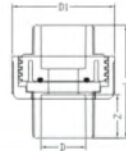
ITEM NO.:CS07



Size(mm)	3/4"x1/2"	1"x3/4"	1-1/4"x1"	1-1/4"x1"	1-1/2"x1-1/4"	2"x1-1/2"	2-1/2"x2"	4"x3"
D(mm)	21.34	26.67	33.40	42.16	48.26	60.32	73.02	88.90
L(mm)	34.0	37.0	40.0	43.0	46.0	53.0	61.0	66.0
Z(mm)	24.0	27.0	30.0	33.0	36.0	39.0	46.0	49.0

**UNION**

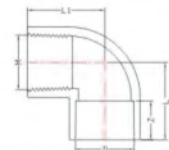
ITEM NO.:CS09



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

**REDUCING ELBOW (THREADED)**

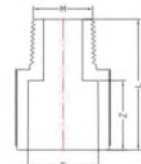
ITEM NO.:CS11



Size(mm)	3/4"x1/2"	1"x1/2"	1"x3/4"
D(mm)	26.67	33.40	33.40
L(mm)	40.0	42.5	45.5
Z(mm)	27.0	30.0	30.0
D1(mm)	21.34	21.34	26.67
L1(mm)	40.0	42.0	45.5
Z1(mm)	24.0	24.0	27.0

**MALE ADAPTER**

ITEM NO.:CS13



Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
D(mm)	21.34	26.67	33.40	42.16	48.26	60.32	73.02	88.90	114.30
L(mm)	50.5	56.5	62.5	64.0	69.0	75.5	93.5	99.5	113.5
Z(mm)	24.0	27.0	30.0	33.0	36.0	39.0	46.0	49.0	59.0
M(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"



**FEMALE ELBOW**

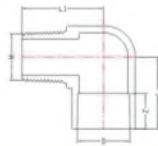
ITEM NO.:CS14



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

**MALE ELBOW**

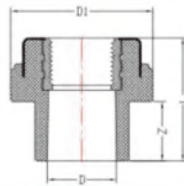
ITEM NO.:CS16



Size(mm)	1/2"	3/4"	1"
D(mm)	29.7	35.4	43.2
L(mm)	36.4	42.7	49.1
Z(mm)	24.0	27.0	30.0
L1(mm)	36.0	42.0	49.0
M(mm)	1/2"	3/4"	1"

**FEMALE COUPLING (COPPER THREAD)**

ITEM NO.:CS18



Size(mm)	1/2"x1/2"	1/2"x3/4"	3/4"x3/4"	3/4"x1/2"	1"x1"	1"x3/4"
D(mm)	21.34	21.34	26.67	26.67	33.40	33.40
L(mm)	19.0	19.0	21.0	21.0	26.0	26.0
Z(mm)	24.0	24.0	27.0	27.0	30.0	30.0
M(mm)	45.0	45.0	45.0	45.0	49.5	49.5

**FEMALE TEE(COPPER THREAD)**

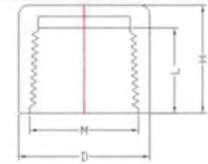
ITEM NO.:M20



Size(mm)	1/2"x1/2"	1/2"x3/4"	3/4"x3/4"	3/4"x1/2"
D(mm)	21.34	21.34	26.67	26.67
L(mm)	34.0	34.0	37.0	37.0
Z(mm)	24.0	24.0	27.0	27.0
D1(mm)	42.5	42.5	42.5	42.5
L1(mm)	34.0	34.0	36.5	36.5

**FEMALE CAP**

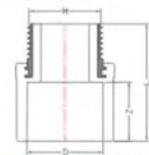
ITEM NO.:CS15



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

**MALE COUPLING (COPPER THREAD)**

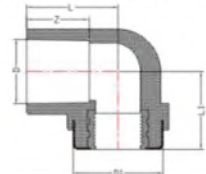
ITEM NO.:CS17



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

**90DEG FEMALE ELBOW (COPPER THREAD)**

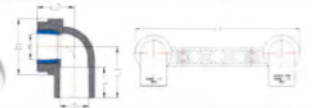
ITEM NO.:CS19



Size(mm)	1/2"x1/2"	1/2"x3/4"	3/4"x3/4"	3/4"x1/2"
D(mm)	21.34	21.34	26.67	26.67
L(mm)	29.0	29.0	31.0	31.0
Z(mm)	24.0	24.0	27.0	27.0
D1(mm)	42.5	42.5	42.5	42.5
L1(mm)	34.0	34.0	36.5	36.5

**DOUBLE COPPER ELBOW**

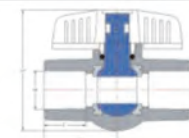
ITEM NO.:CS21



Size(mm)	D(mm)	D1(mm)	L(mm)	L1(mm)	L2(mm)	L3(mm)	M(mm)
1/2"	1.34	42.0	22.5	37.5	27.8	190.5	1/2"

**CPVC VALVE**

ITEM NO.:CS30



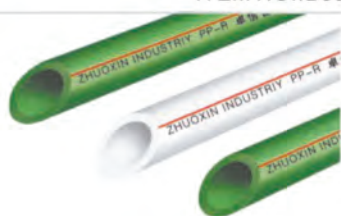
Size(mm)	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
D(mm)	21.4	26.7	33.4	42.2	48.3	60.3
L(mm)	19.5	22.5	26.5	28.6	32.0	35.5
Z(mm)	38.1	43.8	49.8	59.0	63.5	74.0
M(mm)	66.0	77.0	87.0	99.0	74.0	130.0

# PPR PIPE & FITTINGS



### PPR PIPE

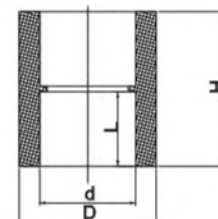
ITEM NO.:B39



Size										
20	25	32	40	50	63	75	90	110	160	

### COUPLING

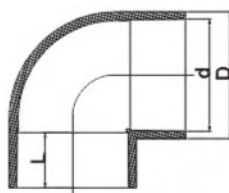
ITEM NO.:B01



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
160		211	157	56.5	126

### 90 DEG ELBOW

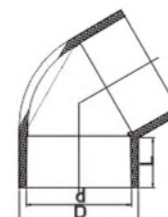
ITEM NO.:B02



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
160		211	157	56.5

### 45 DEG ELBOW

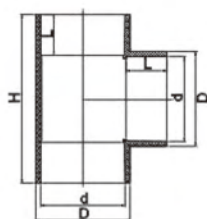
ITEM NO.:B03



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
160		211	157	56.5

### TEE

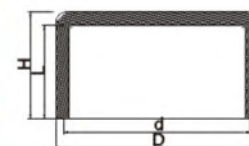
ITEM NO.:B04



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
160		211	157	56.5	299

### CAP

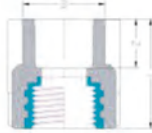
ITEM NO.:B06



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		119.2	88.8	38	64.2
110		145.8	108.3	46.7	69.8
160		211	157	56.5	105.3

**FEMALE COUPLING**

ITEM NO.:B07



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

**FEMALE ELBOW**

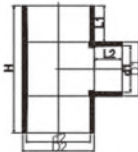
ITEM NO.:B09



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	1-1/4 "	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

**REDUCING TEE**

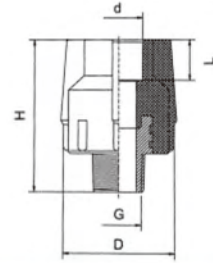
ITEM NO.:B11



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
90X40×90		119.6	53.4	88.8	38.8	36	22.1	114.2
90X50×90		120.6	66.6	88.8	52.6	36	25.1	126.5
90X63×90		120.6	84.2	88.8	61.7	36	29.1	124.2
90X75×90		120.6	99.2	88.8	73.4	36	32	15.9
110X50×110		147.5	67.6	107.5	52.6	42	26.1	138.2
110X63×110		147.5	84.1	107.5	61.7	42	30.0	151.0
110X75×110		147.8	99.9	107.5	73.4	42	32	162.4
110X90×110		146.2	119.6	107.5	88.8	42	36	178

**MALE COUPLING**

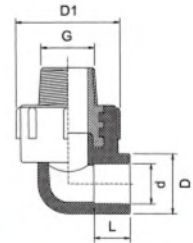
ITEM NO.:B08



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

**MALE ELBOW**

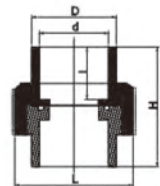
ITEM NO.:B10



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	1-1/4 "	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

**UNION**

ITEM NO.:B12



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

**FEMALE TEE**

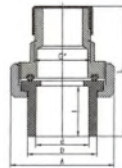
ITEM NO.:B13



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	1-1/4 "	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**

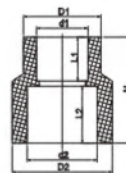
ITEM NO.:B15



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 "	

**REDUCING SOCKET**

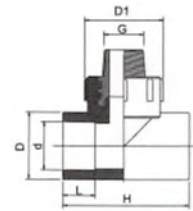
ITEM NO.:B17



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	
S75X40	99.2	73.4	32	53.2	38.8	22.1	69.0	
S75X50	99.2	73.4	32	66.6	48.9	25.1	69	
S75X63	99.2	73.4	32	83.1	61.7	29.1	66.5	
S90X50	119.0	88.8	36	66.8	48.9	25.1	78.5	
S90X63	119.6	88.8	39	83.1	61.7	29.1	82.7	
S90X75	119.6	88.8	39	99.2	73.4	32	74.8	
S110X63	145.5	108.3	42	84.4	61.7	30	91	
S110X75	145.5	108.3	42	100.0	73.4	32	91.4	
S110X90	146.0	108.3	42	121.0	88.8	37	82.0	
S160X110	211	157	56.5	145.5	108.5	42	125	

**MALE TEE**

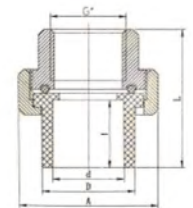
ITEM NO.:B14



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	1-1/4 "	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	

**FEMALE UNION**

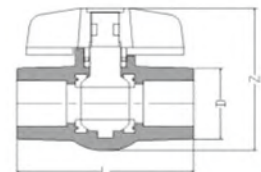
ITEM NO.:B16



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 "	

**BALL VALVE**

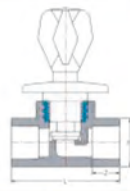
ITEM NO.:B18



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

**STOP VALVE**

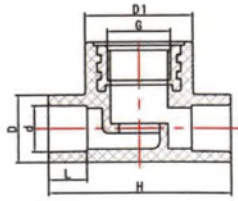
ITEM NO.:B20



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

**CONCEALED VALVE**

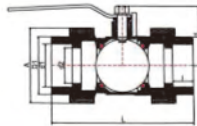
ITEM NO.:B22



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	

**TRUE UNION BALL COCK**

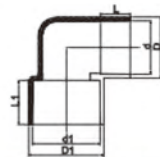
ITEM NO.:B24



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	

**REDUCING ELBOW**

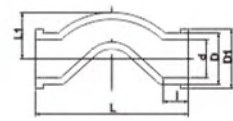
ITEM NO.:B27



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	

**SHORT BYPASS BEND**

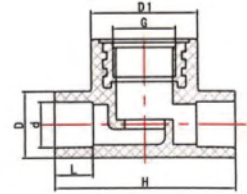
ITEM NO.:B21



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	

**HEAVY STOP VALVE**

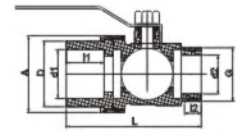
ITEM NO.:B23



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	

**MALE BRASS BALL COCK**

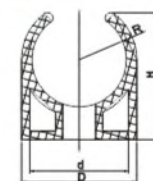
ITEM NO.:B25



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	

**LOW FOOTED PIPE CLAMP**

ITEM NO.:B28



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	

**WELDING MACHINE**

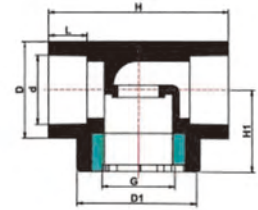
ITEM NO.:B30



Size	
20-32	20-63

**NEW LUXURIOUS STOP VALVE**

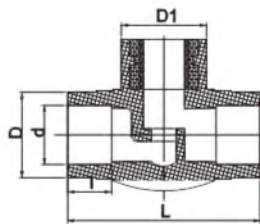
ITEM NO.:B31



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	

**LUXURY BALL VALVE**

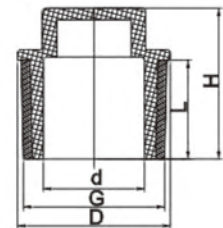
ITEM NO.:B32



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	

**PLUG**

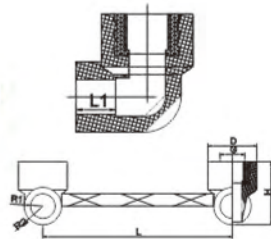
ITEM NO.:B37



Size	Nom	d	D	G	L	H
20x1/2" M	14.8	22.2	1/2"	13.4	21.4	
25x3/4" M	16.5	32.6	3/4"	12.8	22.9	
32x1" M	25.4	35	1"	14.6	24.6	

**DOUBLE ELBOW**

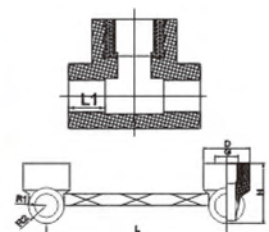
ITEM NO.:B40



Size	Nom	G	D	R1	R2	L1	L	H
20x1/2" M	1/2"	39	19	29.8	16.4	147	48.9	
25x3/4" M	1/2"	39	24	36	18.7	152	56.6	

**PPR DOUBLE FEMALE TEE**

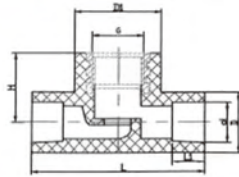
ITEM NO.:B41



Size	Nom	G	D	R1	R2	L1	L	H
20x1/2" M	1/2"	39	19	29.8	16.4	147	48.9	
25x3/4" M	1/2"	39	24	36	18.7	152	56.6	

**NEW LUXURIOUS STOP VALVE(I)**

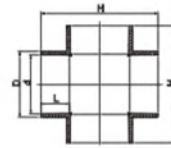
ITEM NO.:B42



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	

**STRAIGHT CROSS**

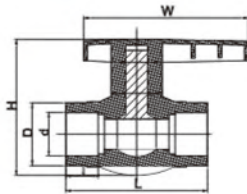
ITEM NO.:B52



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	

**BALL VALVE(PLASTIC,BRASS,STEEL)**

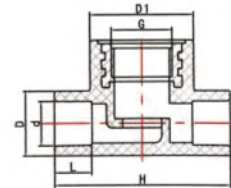
ITEM NO.:B53



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	

**NEW LUXURIOUS STOP VALVE(II)**

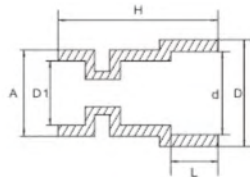
ITEM NO.:B55



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	

**UNION COUPLER**

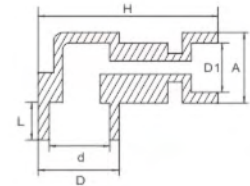
ITEM NO.:B56



Size	Nom	A	D	d	L	D1	H
20x1/2"	43	27	19	16	1/2"	52	
25x3/4"	50	34	24	17.7	3/4"	58	
32x1"	58	42	30	19.3	1"	64	

**UNION ELBOW**

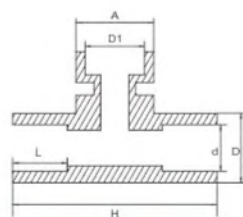
ITEM NO.:B57



Size	Nom	D	d	L	D1	H	A
20x1/2"	27	19	16	1/2"	52	43	
25x1/2"	34	24	18	1/2"	58	43	
25x3/4"	34	24	18	3/4"	60	50	
32x1"	58	42	20	1"	65	64	

**UNION TEE**

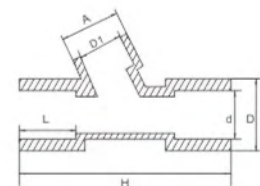
ITEM NO.:B58



Size	Nom	D	d	L	D1	H	A
20x1/2"	27	19	16	1/2"	56	43	

**FILTER**

ITEM NO.:B62



Size	Nom	D	d	L	D1	H	A
20x1/2"	27	19	16	1/2"	56	43	
20x3/4"	27	19	16	3/4"	62	47	
25x1/2"	34	24	18	1/2"	64	43	
25x3/4"	34	24	18	3/4"	64	48	
32x1"	42.5	30	20	1"	80	63	

**PPR DOUBLE FEMALE ELBOW**

ITEM NO.:B63



Size
20*1/2
25*1/2

**REDUCING FEMALE ELBOW**

ITEM NO.:B64



Size
20*1/2
25*1/2

**PLUS TEE**

ITEM NO.:B65



Size
20
25
32

**PLUS ELBOW**

ITEM NO.:B66



Size
20
25
32

**S-TYPE ELBOW**

ITEM NO.:B67



Size
20
25
32

**CROSS**

ITEM NO.:B68



Size
20
25
32

**CORNER TEE**

ITEM NO.:B69



Size
20
25
32

**CROSS**

ITEM NO.:B70



Size

**EQUAL SOCKET**

ITEM NO.:B100



Size	Reduce socket
S20	S25x20
S25	S32x20
S32	S32x25

**EQUAL TEE**

ITEM NO.:B102



Size
S20
S25
S32

**DOUBLE ELBOW WITH SEAT**

ITEM NO.:B104



Size
ZL20x1/2
FZL25x1/2
FZL32x1/2F

**MALE SOCKET**

ITEM NO.:B106



Size	
S20x1/2M	S32x1/2M
S25x1/2M	S32x3/4M
S25x3/4M	S32x1"M

**90° ELBOW**

ITEM NO.:B101



Size
L20
L25
L32

**REDUCE TEE**

ITEM NO.:B103



Size
T25x20x25
T32x20x32
T32x25x32

**FEMALE SOCKET**

ITEM NO.:B105



Size	
S20x1/2F	S32x1/2F
S25x1/2F	S32x3/4F
S25x3/4F	S32x1"F

**FEMALE ELBOW**

ITEM NO.:B107



Size	
L20x1/2F	L32x1/2F
L25x1/2F	L32x3/4F
L25x3/4F	L32 x1"F

**MALE ELBOW**

ITEM NO.:B108



Size	
L20x1/2M	L32x1/2M
L25x1/2M	L32x3/4M
L25x3/4M	L32 x1"M

**MALE TEE**

ITEM NO.:B110



Size	
T20x1/2M	T32x1/2M
T25x1/2M	T32x3/4M
T25x3/4M	T32x1"M

**THERMOSTATIC SOCKET**

ITEM NO.:B112



Size	
20x1/2	
25x3/4	

**THERMOSTATIC ELBOW**

ITEM NO.:B114



Size	
20x1/2	
25x3/4	

**FEMALE TEE**

ITEM NO.:B109



Size	
T20x1/2F	T32x1/2F
T25x1/2F	T32x3/4F
T25x3/4F	T32 x1"F

**PPR STOP BALL VALVE(NEW DESIGN)**

ITEM NO.:B111



Size	
D20	
D25	
D32	

**THERMOSTATIC SOCKET(WITH RING)**

ITEM NO.:B113



Size	
20x1/2	
25x3/4	

**THERMOSTATIC ELBOW(WITH RING)**

ITEM NO.:B115



Size	
20	
25	
32	

**THERMOSTATIC SOCKET(WITH RING)** ITEM NO.:B116



Size
20
25

**THERMOSTATIC ELBOW(WITH RING)** ITEM NO.:B117



Size
20
25

**Y TYPE FILTER** ITEM NO.:B118



Size
20
25
32

**Y TYPE TEE** ITEM NO.:B119



Size
20
25
32

**Y TYPE TEE** ITEM NO.:B120



Size
20
25
32

**UNION SOCKET** ITEM NO.:B121



Size
20
25
32

**UNION TEE**

ITEM NO.:B122



Size
20
25
32

**UNION ELBOW**

ITEM NO.:B123



Size
20
25
32

**UNION SOCKET**

ITEM NO.:B124



Size
20
25
32

**UNION TEE**

ITEM NO.:B125



Size
20
25
32

**UNION ELBOW**

ITEM NO.:B126



Size
20
25
32

**SHOWER KIT**

ITEM NO.:B127



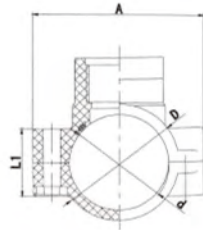
Size
20

# PP COMPRESSION FITTINGS SERIES



**PP ADDING EXIT**

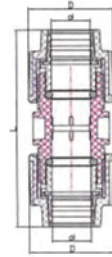
ITEM NO.:F01



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 COUPLING**

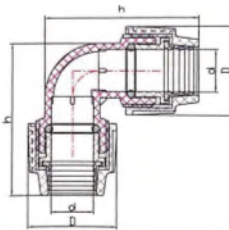
ITEM NO.:F02



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 90DEG ELBOW**

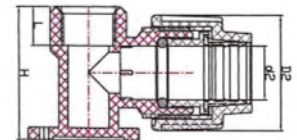
ITEM NO.:F03



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 ELBOW WALL PLATED**

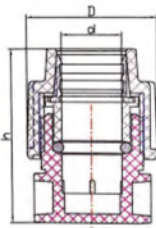
ITEM NO.:F04



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 END CAP**

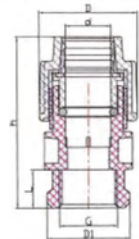
ITEM NO.:F05



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	

**PP FEMALE ADAPTER**

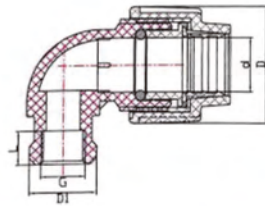
ITEM NO.:F06



Size	Nom	d	D	D1	G	L	h
20x1/2"	21	44	31.6	1/2"	16	75	
20x3/4"	21	44	38.6	3/4"	19	78	
25x1/2"	26	56	31.6	1/2"	16	92	
25x3/4"	26	56	38.6	3/4"	19	95	
25x1"	26	56	47.4	1"	22	98	
32x1"	33	65	47.4	1"	22	110	
40x1-1/4"	41	80	62	1-1/4"	24	137	
50x1-1/2"	51	92	67	1-1/2"	24	151	
63x2"	64	114	81.2	2"	28	165	
75x2-1/2"	76	128	105	2-1/2"	33	193	
90x3"	91	152	126	3"	35	214	
110x4"	111	182	157	4"	40	240	

**PP FEMALE ELBOW**

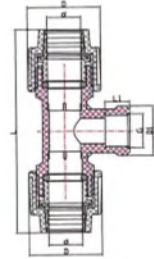
ITEM NO.:F07



Size	Nom	d	D	D1	G	L
20x1/2"		21	44	31.6	1/2"	16
25x3/4"		26	56	38.6	3/4"	19
32x1"		33	65	47.4	1"	22
40x1-1/4"		41	80	62	1-1/4"	24
50x1-1/2"		51	92	67	1-1/2"	24
63x1-1/2"		64	114	67	2"	24
63x2"		64	114	81.2	2"	28
75x2"		76	128	81.2	2"	28
75x2-1/2"		76	128	105	2-1/2"	33
90x3"		91	152	126	3"	35
110x4"		111	182	157	4"	40

**PP FEMALE TEE**

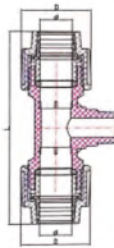
ITEM NO.:F08



Size	Nom	d	D	D1	G	L	L1
20x1/2"		21	44	31.6	1/2"	125	16
20x3/4"		21	44	38.6	3/4"	125	19
25x1/2"		26	56	31.6	1/2"	158	16
25x3/4"		26	56	38.6	3/4"	158	19
25x1"		26	56	47.4	1"	158	22
32x3/4"		33	65	38.6	3/4"	189	19
32x1"		33	65	47.4	1"	189	22
40x1"		41	80	47.4	1"	239	22
40x1-1/4"		41	80	62	1-1/4"	239	24
50x1-1/2"		51	92	67	1-1/2"	262	24
63x1-1/2"		64	114	67	1-1/2"	303	24
63x2"		64	114	81.2	2"	303	28
75x2-1/2"		76	128	105	2-1/2"	365	33
90x3"		91	152	126	3"	420	35
110x4"		111	182	157	4"	482	40

**PP MALE TEE**

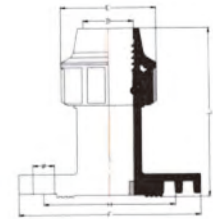
ITEM NO.:F09



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

**FLANGE**

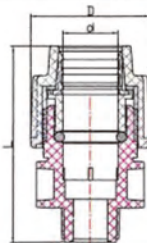
ITEM NO.:F10



Size	Nom	E	L	F	H
40x1-1/2"		80	140	152	110
50x1-1/2"		96	165	152	110
50x2"		96	165	164	125
63x2"		115	194	164	125
63x2-1/2"		115	194	184	145
75x2-1/2"		129	209	184	145
75x3"		129	209	200	160
90x3"		155	229	200	160
90x4"		155	229	220	180
110x4"		184	256	220	180

**PP MALE ADAPTER**

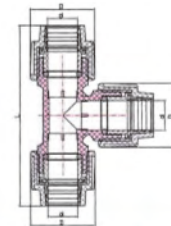
ITEM NO.:F11



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 TEE**

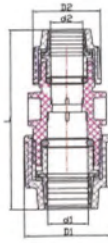
ITEM NO.:F12



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 REDUCING COUPLING

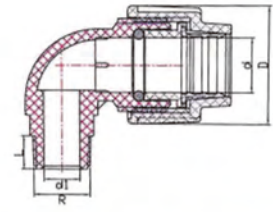
ITEM NO.:F13



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 MALE ELBOW

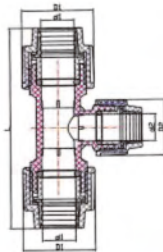
ITEM NO.:F14



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 REDUCING TEE

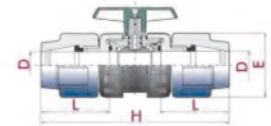
ITEM NO.:F15



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	
40×25×40	41	26	80	56	228	
40×32×40	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	
63×50×63	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	

PP COMPRESSION VALVE

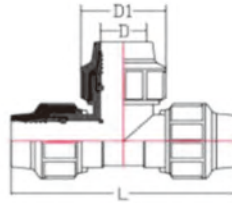
ITEM NO.:F16



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	

**EQUAL TEE**

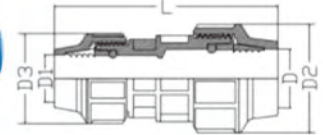
ITEM NO.:F18



Size	Nom	D	DN	PN	E(mm)	L(mm)
20	20	15	16	46	90	
25	25	20	16	55	110	
32	32	25	16	63	120	
40	40	32	16	80	140	
50	50	40	16	96	168	
63	63	50	16	115	204	
75	75	65	10	129	242	
90	90	80	10	155	270	
110	110	100	10	184	380	

**REDUCER**

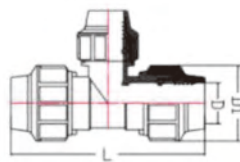
ITEM NO.:F19



Size	Nom	DXD1(mm)	DN	PN	D2(mm)	L(mm)	D3(mm)
25X20	25X20	20	16	55	130	46	
32X20	32X20	25	16	63	132	46	
32X25	32X25	25	16	63	138	55	
40X25	40X25	32	16	80	160	55	
40X32	40X32	32	16	80	165	63	
50X25	50X25	40	16	96	173	55	
50X32	50X32	40	16	96	182	63	
50X40	50X40	40	16	96	200	80	
63X32	63X32	50	16	115	202	63	
63X40	63X40	50	16	115	214	80	
63X50	63X50	50	16	115	240	96	
75X50	75X50	65	10	129	268	96	
75X63	75X63	65	10	129	293	115	
90X63	90X63	80	10	155	304	115	
90X75	90X75	80	10	155	328	129	
110X75	110X75	100	10	184	373	129	
110X90	110X90	100	10	184	380	155	

**REDUCING TEE**

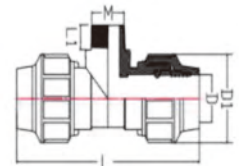
ITEM NO.:F20



Size	Nom	D	DN	PN	E(mm)	L(mm)
25X20X25	25X20X25	20	16	55	164	
32X20X32	32X20X32	25	16	63	190	
32X25X32	32X25X32	25	16	63	190	
40X25X40	40X25X40	32	16	80	218	
40X32X40	40X32X40	32	16	80	218	
50X25X50	50X25X50	40	16	96	268	
50X32X50	50X32X50	40	16	96	268	
50X40X50	50X40X50	40	16	96	268	
63X32X60	63X32X60	50	16	115	334	
63X40X63	63X40X63	50	16	115	334	
63X50X60	63X50X60	50	16	115	334	
75X50X74	75X50X74	65	10	129	396	
75X63X75	75X63X75	65	10	129	396	
90X63X90	90X63X90	80	10	155	440	
90X75X90	90X75X90	80	10	155	440	
110X90X110	110X90X110	100	10	184	556	

**MALE TEE**

ITEM NO.:F21

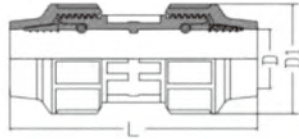


Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	140	16	1/2"	
20X3/4"	20	15X20	16	46	140	18	3/4"	
25X1/2"	25	20X15	16	55	164	16	1/2"	
25X3/4"	25	20X20	16	55	164	18	3/4"	
25X1"	25	20X25	16	55	164	20	1"	
32X1/2"	32	25X15	16	63	190	16	1/2"	
32X3/4"	32	25X20	16	63	190	18	3/4"	
32X1"	32	25X25	16	63	190	20	1"	
32X1-1/4"	32	25X32	16	63	190	25	1-1/4"	
40X1"	40	32X25	16	80	218	20	1"	
40X1-1/4"	40	32X32	16	80	218	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	218	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	268	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	268	27	1-1/2"	
50X2"	50	40X50	16	96	268	30	2"	
63X1-1/4"	63	50X32	16	115	334	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	334	27	1-1/2"	
63X2"	63	50X50	16	115	334	30	2"	
63X2-1/2"	63	50X65	16	115	334	33	2-1/2"	
75X2"	75	65X50	10	129	396	30	2"	
75X2-1/2"	75	65X65	10	129	396	33	2-1/2"	
75X3"	75	65X80	10	129	396	35	3"	
90X3"	90	80X80	10	155	440	35	3"	
90X4"	90	80X100	10	155	440	40	4"	
110X3"	110	100X80	10	184	556	40	3"	
110X4"	110	100X100	10	184	556	35	4"	



COUPLING

ITEM NO.:F22



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	110	
25	25	20	16	55	126	
32	32	25	16	63	136	
40	40	32	16	80	164	
50	50	40	16	96	204	
63	63	50	16	115	246	
75	75	65	16	129	290	
90	90	80	16	155	320	
110	110	100	16	184	410	

FEMALE TEE

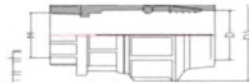
ITEM NO.:F23



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	140	16	1/2"	
20X3/4"	20	15X20	16	46	140	18	3/4"	
25X1/2"	25	20X15	16	55	164	16	1/2"	
25X3/4"	25	20X20	16	55	164	18	3/4"	
25X1"	25	20X25	16	55	164	20	1"	
32X1/2"	32	25X15	16	63	190	16	1/2"	
32X3/4"	32	25X20	16	63	190	18	3/4"	
32X1"	32	25X25	16	63	190	20	1"	
32X1-1/4"	32	25X32	16	63	190	25	1-1/4"	
40X1"	40	32X25	16	80	218	20	1"	
40X1-1/4"	40	32X32	16	80	218	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	218	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	268	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	268	27	1-1/2"	
50X2"	50	40X50	16	96	268	30	2"	
63X1-1/2"	63	50X40	16	115	334	27	1-1/2"	
63X2"	63	50X50	16	115	334	30	2"	
63X2-1/2"	63	50X65	16	115	334	33	2-1/2"	
75X2"	75	65X50	10	129	396	30	2"	
75X2-1/2"	75	65X65	10	129	396	33	2-1/2"	
75X3"	75	65X80	10	129	396	35	3"	
90X3"	90	80X80	10	155	440	35	3"	
90X4"	90	80X100	10	155	440	40	4"	
110X3"	110	100X80	10	184	556	35	3"	
110X4"	110	100X100	10	184	556	40	4"	

FEMALE ADAPTER

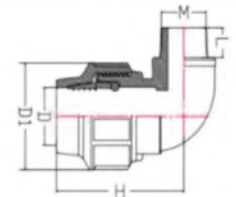
ITEM NO.:F24



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	73	16	1/2"	
20X3/4"	20	15X20	16	46	75	18	3/4"	
20X1"	20	15X25	16	46	77	20	1"	
25X1/2"	25	20X15	16	55	84	16	1/2"	
25X3/4"	25	20X20	16	55	86	18	3/4"	
25X1"	25	20X25	16	55	88	20	1"	
32X3/4"	32	25X20	16	63	92	18	3/4"	
32X1"	32	25X25	16	63	94	20	1"	
32X1-1/4"	32	25X32	16	63	99	25	1-1/4"	
40X1"	40	32X25	16	80	108	20	1"	
40X1-1/4"	40	32X32	16	80	113	25	1-1/4"	
40X1-1/2"	40	32X40	10	80	115	27	1-1/2"	
50X1-1/4"	50	40X32	10	96	131	25	1-1/4"	
50X1-1/2"	50	40X40	10	96	133	27	1-1/2"	
50X2"	50	40X50	10	96	135	30	2"	
63X1-1/4"	63	50X32	10	115	149	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	151	27	1-1/2"	
63X2"	63	50X50	16	115	154	30	2"	
63X2-1/2"	63	50X65	16	115	157	33	2-1/2"	
75X1-1/2"	75	65X40	10	129	180	27	1-1/2"	
75X2"	75	65X50	10	129	183	30	2"	
75X2-1/2"	75	65X65	10	129	186	33	2-1/2"	
75X3"	75	65X80	10	129	188	35	3"	
90X2"	90	80X50	10	155	196	30	2"	
90X2-1/2"	90	80X65	10	155	199	33	2-1/2"	
90X3"	90	80X80	10	155	301	35	3"	

MALE ELBOW

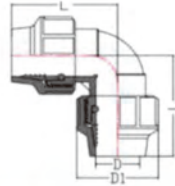
ITEM NO.:F25



Size	Nom	D(mm)	DN	PN	D1(mm)	H(mm)	L1(mm)	M
20X1/2"	20X1/2"	15X15	16	46	70	16	1/2"	
20X3/4"	20X3/4"	15X20	16	46	70	18	3/4"	
25X1/2"	25X1/2"	20X15	16	55	82	16	1/2"	
25X3/4"	25X3/4"	20X20	16	55	82	18	3/4"	
25X1"	25X1"	20X25	16	55	82	20	1"	
32X1/2"	32X1/2"	25X15	16	63	95	16	1/2"	
32X3/4"	32X3/4"	25X20	16	63	95	18	3/4"	
32X1"	32X1"	25X25	16	63	95	20	1"	
32X1-1/4"	32X1-1/4"	25X32	16	63	95	25	1-1/4"	
40X1"	40X1"	32X25	16	80	109	20	1"	
40X1-1/4"	40X1-1/4"	32X32	16	80	109	25	1-1/4"	
40X1-1/2"	40X1-1/2"	32X40	16	80	109	27	1-1/2"	
50X1-1/4"	50X1-1/4"	40X32	16	96	134	25	1-1/4"	
50X1-1/2"	50X1-1/2"	40X40	16	96	134	27	1-1/2"	
50X2"	50X2"	40X50	16	96	134	30	2"	
63X1-1/4"	63X1-1/4"	50X32	16	115	167	25	1-1/4"	
63X1-1/2"	63X1-1/2"	50X40	16	115	167	27	1-1/2"	
63X2"	63X2"	50X50	16	115	167	30	2"	
63X2-1/2"	63X2-1/2"	50X65	16	115	167	33	2-1/2"	
75X2"	75X2"	65X40	10	129	198	30	2"	
75X2-1/2"	75X2-1/2"	65X65	10	129	198	33	2-1/2"	
75X3"	75X3"	65X80	10	129	198	35	3"	
90X3"	90X3"	80X80	10	155	220	35	3"	
90X4"	90X4"	80X100	10	155	220	40	4"	
110X3"	110X3"	100X80	10	184	278	40	3"	
110X4"	110X4"	100X100	10	184	278	35	4"	

**90DEG ELBOW**

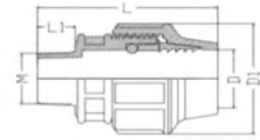
ITEM NO.:F26



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	45	
25	25	20	16	55	55	
32	32	25	16	63	60	
40	40	32	16	80	70	
50	50	40	16	96	84	
63	63	50	16	115	102	
75	75	65	10	129	121	
90	90	80	10	155	135	
110	110	100	10	184	190	

**MALE ADAPTER**

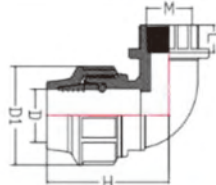
ITEM NO.:F27



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	83	16	1/2"	
20X3/4"	20	15X20	16	46	85	18	3/4"	
20X1"	20	15X25	16	46	87	20	1"	
25X1/2"	25	20X15	16	55	91	16	1/2"	
25X3/4"	25	20X20	16	55	93	18	3/4"	
25X1"	25	20X25	16	55	95	20	1"	
32X3/4"	32	25X20	16	63	98	18	3/4"	
32X1"	32	25X25	16	63	100	20	1"	
32X1-1/4"	32	25X32	16	63	105	25	1-1/4"	
40X1"	40	32X25	16	80	103	20	1"	
40X1-1/4"	40	32X32	16	80	108	25	1-1/4"	
40X1-1/2"	40	32X40	10	80	110	27	1-1/2"	
50X1"	50	40X25	10	96	125	20	1"	
50X1-1/4"	50	40X32	10	96	130	25	1-1/4"	
50X1-1/2"	50	40X40	10	96	132	27	1-1/2"	
50X2"	50	40X50	10	96	135	30	2"	
63X1-1/4"	63	50X32	10	115	145	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	150	27	1-1/2"	
63X2"	63	50X50	16	115	153	30	2"	
63X2-1/2"	63	50X65	16	115	156	33	2-1/2"	
75X1-1/2"	75	65X40	10	129	178	27	1-1/2"	
75X2"	75	65X50	10	129	180	30	2"	
75X2-1/2"	75	65X65	10	129	183	33	2-1/2"	
75X3"	75	65X80	10	129	185	35	3"	
90X2"	90	80X50	10	155	198	30	2"	
90X2-1/2"	90	80X65	10	155	200	33	2-1/2"	
90X3"	90	80X80	10	155	201	35	3"	
90X4"	90	80X100	10	155	206	40	4"	
110X2-1/2"	110	100X65	10	184	243	33	2-1/2"	
110X3"	110	100X80	10	184	245	35	3"	
110X4"	110	100X100	10	184	250	40	4"	

**FEMALE ELBOW**

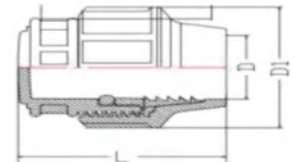
ITEM NO.:F28



Size	Nom	D(mm)	DN	PN	D1(mm)	H(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	70	16	1/2"	
20X3/4"	20	15X20	16	46	70	18	3/4"	
25X1/2"	25	20X15	16	55	82	16	1/2"	
25X3/4"	25	20X20	16	55	82	18	3/4"	
25X1"	25	20X25	16	55	82	20	1"	
32X1/2"	32	25X15	16	63	95	16	1/2"	
32X3/4"	32	25X20	16	63	95	18	3/4"	
32X1"	32	25X25	16	63	95	20	1"	
32X1-1/4"	32	25X32	16	63	95	25	1-1/4"	
40X1"	40	32X25	16	80	109	20	1"	
40X1-1/4"	40	32X32	16	80	109	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	109	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	134	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	134	27	1-1/2"	
50X2"	50	40X50	16	96	134	30	2"	
63X1-1/2"	63	50X40	16	115	167	27	1-1/2"	
63X2"	63	50X50	16	115	167	30	2"	
63X2-1/2"	63	50X65	16	115	167	33	2-1/2"	
75X2"	75	65X50	10	129	198	30	2"	
75X2-1/2"	75	65X65	10	129	198	33	2-1/2"	
75X3"	75	65X80	10	129	198	35	3"	
90X3"	90	80X80	10	155	220	35	3"	
90X4"	90	80X100	10	155	220	40	4"	
110X3"	110	100X80	10	184	278	35	3"	
110X4"	110	100X100	10	184	278	40	4"	

**END CAP**

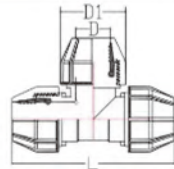
ITEM NO.:F29



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	56	
25	25	20	16	55	66	
32	32	25	16	63	87	
40	40	32	16	80	90	
50	50	40	16	96	105	
63	63	50	16	115	124	
75	75	65	10	129	153	
90	90	80	10	155	166	
110	110	100	10	184	210	

**EQUAL TEE**

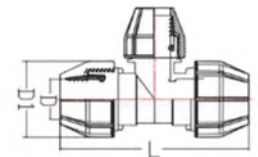
ITEM NO.:F30



Size	Nom	D	DN	PN	E(mm)	L(mm)
20	20	15	16	46	90	
25	25	20	16	55	110	
32	32	25	16	63	120	
40	40	32	16	80	140	
50	50	40	16	96	168	
63	63	50	16	115	204	
75	75	65	10	129	242	
90	90	80	10	155	270	
110	110	100	10	184	380	

**REDUCING TEE**

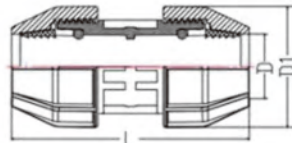
ITEM NO.:F31



Size	Nom	D	DN	PN	E(mm)	L(mm)
25X20X25	25X20X25	20	16	55	164	
32X20X32	32X20X32	25	16	63	190	
32X25X32	32X25X32	25	16	63	190	
40X25X40	40X25X40	32	16	80	218	
40X32X40	40X32X40	32	16	80	218	
50X25X50	50X25X50	40	16	96	268	
50X32X50	50X32X50	40	16	96	268	
50X40X50	50X40X50	40	16	96	268	
63X32X60	63X32X60	50	16	115	334	
63X40X63	63X40X63	50	16	115	334	
63X50X60	63X50X60	50	16	115	334	
75X50X74	75X50X74	65	10	129	396	
75X63X75	75X63X75	65	10	129	396	
90X63X90	90X63X90	80	10	155	440	
90X75X90	90X75X90	80	10	155	440	
110X90X110	110X90X110	100	10	184	556	

**COUPLING**

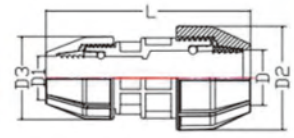
ITEM NO.:F34



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	110	
25	25	20	16	55	126	
32	32	25	16	63	136	
40	40	32	16	80	164	
50	50	40	16	96	204	
63	63	50	16	115	246	
75	75	65	16	129	290	
90	90	80	16	155	320	
110	110	100	16	184	410	

**REDUCER**

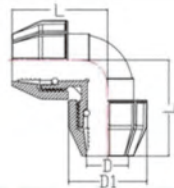
ITEM NO.:F36



Size	Nom	DXD1(mm)	DN	PN	D2(mm)	L(mm)	D3(mm)
25X20	25X20	20	16	55	130	46	
32X20	32X20	25	16	63	132	46	
32X25	32X25	25	16	63	138	55	
40X25	40X25	32	16	80	160	55	
40X32	40X32	32	16	80	165	63	
50X25	50X25	40	16	96	173	55	
50X32	50X32	40	16	96	182	63	
50X40	50X40	40	16	96	200	80	
63X32	63X32	50	16	115	202	63	
63X40	63X40	50	16	115	214	80	
63X50	63X50	50	16	115	240	96	
75X50	75X50	65	10	129	268	96	
75X63	75X63	65	10	129	293	115	
90X63	90X63	80	10	155	304	115	
90X75	90X75	80	10	155	328	129	
110X75	110X75	100	10	184	373	129	
110X90	110X90	100	10	184	380	155	

**90DEG ELBOW**

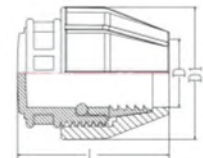
ITEM NO.:F37



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	45	
25	25	20	16	55	55	
32	32	25	16	63	60	
40	40	32	16	80	70	
50	50	40	16	96	84	
63	63	50	16	115	102	
75	75	65	10	129	121	
90	90	80	10	155	135	
110	110	100	10	184	190	

**END CAP**

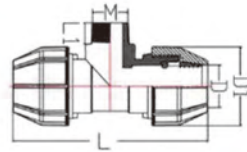
ITEM NO.:F38



Size	Nom	D	DN	PN	D1(mm)	L(mm)
20	20	15	16	46	56	
25	25	20	16	55	66	
32	32	25	16	63	87	
40	40	32	16	80	90	
50	50	40	16	96	105	
63	63	50	16	115	124	
75	75	65	10	129	153	
90	90	80	10	155	166	
110	110	100	10	184	210	

**MALE TEE**

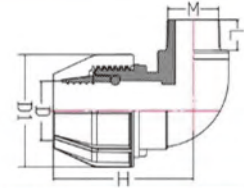
ITEM NO.:F32



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	140	16	1/2"	
20X3/4"	20	15X20	16	46	140	18	3/4"	
25X1/2"	25	20X15	16	55	164	16	1/2"	
25X3/4"	25	20X20	16	55	164	18	3/4"	
25X1"	25	20X25	16	55	164	20	1"	
32X1/2"	32	25X15	16	63	190	16	1/2"	
32X3/4"	32	25X20	16	63	190	18	3/4"	
32X1"	32	25X25	16	63	190	20	1"	
32X1-1/4"	32	25X32	16	63	190	25	1-1/4"	
40X1"	40	32X25	16	80	218	20	1"	
40X1-1/4"	40	32X32	16	80	218	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	218	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	268	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	268	27	1-1/2"	
50X2"	50	40X50	16	96	268	30	2"	
63X1-1/4"	63	50X32	16	115	334	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	334	27	1-1/2"	
63X2"	63	50X50	16	115	334	30	2"	
63X2-1/2"	63	50X65	16	115	334	33	2-1/2"	
75X2"	75	65X50	10	129	396	30	2"	
75X2-1/2"	75	65X65	10	129	396	33	2-1/2"	
75X3"	75	65X80	10	129	396	35	3"	
90X3"	90	80X80	10	155	440	35	3"	
90X4"	90	80X100	10	155	440	40	4"	
110X3"	110	100X80	10	184	556	40	3"	
110X4"	110	100X100	10	184	556	35	4"	

**MALE ELBOW**

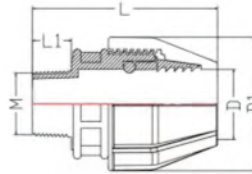
ITEM NO.:F33



Size	Nom	D(mm)	DN	PN	D1(mm)	H(mm)	L1(mm)	M
20X1/2"	20X1/2"	15X15	16	46	70	16	1/2"	
20X3/4"	20X3/4"	15X20	16	46	70	18	3/4"	
25X1/2"	25X1/2"	20X15	16	55	82	16	1/2"	
25X3/4"	25X3/4"	20X20	16	55	82	18	3/4"	
25X1"	25X1"	20X25	16	55	82	20	1"	
32X1/2"	32X1/2"	25X15	16	63	95	16	1/2"	
32X3/4"	32X3/4"	25X20	16	63	95	18	3/4"	
32X1"	32X1"	25X25	16	63	95	20	1"	
32X1-1/4"	32X1-1/4"	25X32	16	63	95	25	1-1/4"	
40X1"	40X1"	32X25	16	80	109	20	1"	
40X1-1/4"	40X1-1/4"	32X32	16	80	109	25	1-1/4"	
40X1-1/2"	40X1-1/2"	32X40	16	80	109	27	1-1/2"	
50X1-1/4"	50X1-1/4"	40X32	16	96	134	25	1-1/4"	
50X1-1/2"	50X1-1/2"	40X40	16	96	134	27	1-1/2"	
50X2"	50X2"	40X50	16	96	134	30	2"	
63X1-1/4"	63X1-1/4"	50X32	16	115	167	25	1-1/4"	
63X1-1/2"	63X1-1/2"	50X40	16	115	167	27	1-1/2"	
63X2"	63X2"	50X50	16	115	167	30	2"	
63X2-1/2"	63X2-1/2"	50X65	16	115	167	33	2-1/2"	
75X2"	75X2"	65X40	10	129	198	30	2"	
75X2-1/2"	75X2-1/2"	65X65	10	129	198	33	2-1/2"	
75X3"	75X3"	65X80	10	129	198	35	3"	
90X3"	90X3"	80X80	10	155	220	35	3"	
90X4"	90X4"	80X100	10	155	220	40	4"	
110X3"	110X3"	100X80	10	184	278	40	3"	
110X4"	110X4"	100X100	10	184	278	35	4"	

**MALE ADAPTER**

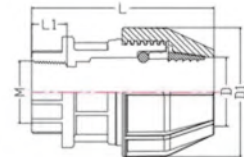
ITEM NO.:F35



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	83	16	1/2"	
20X3/4"	20	15X20	16	46	85	18	3/4"	
20X1"	20	15X25	16	46	87	20	1"	
25X1/2"	25	20X15	16	55	91	16	1/2"	
25X3/4"	25	20X20	16	55	93	18	3/4"	
25X1"	25	20X25	16	55	95	20	1"	
32X3/4"	32	25X20	16	63	98	18	3/4"	
32X1"	32	25X25	16	63	100	20	1"	
32X1-1/4"	32	25X32	16	63	105	25	1-1/4"	
40X1"	40	32X25	16	80	103	20	1"	
40X1-1/4"	40	32X32	16	80	108	25	1-1/4"	
40X1-1/2"	40	32X40	10	80	110	27	1-1/2"	
50X1"	50	40X25	10	96	125	20	1"	
50X1-1/4"	50	40X32	10	96	130	25	1-1/4"	
50X1-1/2"	50	40X40	10	96	132	27	1-1/2"	
50X2"	50	40X50	10	96	135	30	2"	
63X1-1/4"	63	50X32	10	115	145	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	150	27	1-1/2"	
63X2"	63	50X50	16	115	153	30	2"	
63X2-1/2"	63	50X65	16	115	156	33	2-1/2"	
75X1-1/2"	75	65X40	10	129	178	27	1-1/2"	
75X2"	75	65X50	10	129	180	30	2"	
75X2-1/2"	75	65X65	10	129	183	33	2-1/2"	
75X3"	75	65X80	10	129	185	35	3"	
90X2"	90	80X50	10	155	198	30	2"	
90X2-1/2"	90	80X65	10	155	200	33	2-1/2"	
90X3"	90	80X80	10	155	201	35	3"	
90X4"	90	80X100	10	155	206	40	4"	
110X2-1/2"	110	100X65	10	184	243	33	2-1/2"	
110X3"	110	100X80	10	184	245	35	3"	
110X4"	110	100X100	10	184	250	40	4"	

**FEMALE ADAPTER**

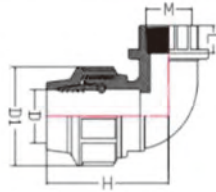
ITEM NO.:F40



Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	73	16	1/2"	
20X3/4"	20	15X20	16	46	75	18	3/4"	
20X1"	20	15X25	16	46	77	20	1"	
25X1/2"	25	20X15	16	55	84	16	1/2"	
25X3/4"	25	20X20	16	55	86	18	3/4"	
25X1"	25	20X25	16	55	88	20	1"	
32X3/4"	32	25X20	16	63	92	18	3/4"	
32X1"	32	25X25	16	63	94	20	1"	
32X1-1/4"	32	25X32	16	63	99	25	1-1/4"	
40X1"	40	32X25	16	80	108	20	1"	
40X1-1/4"	40	32X32	16	80	113	25	1-1/4"	
40X1-1/2"	40	32X40	10	80	115	27	1-1/2"	
50X1-1/4"	50	40X32	10	96	131	25	1-1/4"	
50X1-1/2"	50	40X40	10	96	133	27	1-1/2"	
50X2"	50	40X50	10	96	135	30	2"	
63X1-1/4"	63	50X32	10	115	149	25	1-1/4"	
63X1-1/2"	63	50X40	16	115	151	27	1-1/2"	
63X2"	63	50X50	16	115	154	30	2"	
63X2-1/2"	63	50X65	16	115	157	33	2-1/2"	
75X1-1/2"	75	65X40	10	129	180	27	1-1/2"	
75X2"	75	65X50	10	129	183	30	2"	
75X2-1/2"	75	65X65	10	129	186	33	2-1/2"	
75X3"	75	65X80	10	129	188	35	3"	
90X2"	90	80X50	10	155	196	30	2"	
90X2-1/2"	90	80X65	10	155	199	33	2-1/2"	
90X3"	90	80X80	10	155	301	35	3"	

**FEMALE ELBOW**

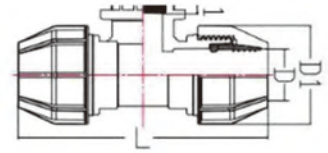
ITEM NO.:F41



Size	Nom	D(mm)	DN	PN	D1(mm)	H(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	70	16	1/2"	
20X3/4"	20	15X20	16	46	70	18	3/4"	
25X1/2"	25	20X15	16	55	82	16	1/2"	
25X3/4"	25	20X20	16	55	82	18	3/4"	
25X1"	25	20X25	16	55	82	20	1"	
32X1/2"	32	25X15	16	63	95	16	1/2"	
32X3/4"	32	25X20	16	63	95	18	3/4"	
32X1"	32	25X25	16	63	95	20	1"	
32X1-1/4"	32	25X32	16	63	95	25	1-1/4"	
40X1"	40	32X25	16	80	109	20	1"	
40X1-1/4"	40	32X32	16	80	109	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	109	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	134	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	134	27	1-1/2"	
50X2"	50	40X50	16	96	134	30	2"	
63X1-1/2"	63	50X40	16	115	167	27	1-1/2"	
63X2"	63	50X50	16	115	167	30	2"	
63X2-1/2"	63	50X65	16	115	167	33	2-1/2"	
75X2"	75	65X50	10	129	198	30	2"	
75X2-1/2"	75	65X65	10	129	198	33	2-1/2"	
75X3"	75	65X80	10	129	198	35	3"	
90X3"	90	80X80	10	155	220	35	3"	
90X4"	90	80X100	10	155	220	40	4"	
110X3"	110	100X80	10	184	278	35	3"	
110X4"	110	100X100	10	184	278	40	4"	

**FEMALE TEE**

ITEM NO.:F42



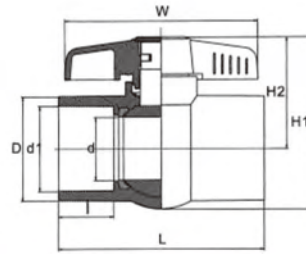
Size	Nom	D(mm)	DN	PN	D1(mm)	L(mm)	L1(mm)	M
20X1/2"	20	15X15	16	46	140	16	1/2"	
20X3/4"	20	15X20	16	46	140	18	3/4"	
25X1/2"	25	20X15	16	55	164	16	1/2"	
25X3/4"	25	20X20	16	55	164	18	3/4"	
25X1"	25	20X25	16	55	164	20	1"	
32X1/2"	32	25X15	16	63	190	16	1/2"	
32X3/4"	32	25X20	16	63	190	18	3/4"	
32X1"	32	25X25	16	63	190	20	7"	
32X1-1/4"	32	25X32	16	63	190	25	1-1/4"	
40X1"	40	32X25	16	80	218	20	1"	
40X1-1/4"	40	32X32	16	80	218	25	1-1/4"	
40X1-1/2"	40	32X40	16	80	218	27	1-1/2"	
50X1-1/4"	50	40X32	16	96	268	25	1-1/4"	
50X1-1/2"	50	40X40	16	96	268	27	1-1/2"	
50X2"	50	40X50	16	96	268	30	2"	
63X1-1/2"	63	50X40	16	115	334	27	1-1/2"	
63X2"	63	50X50	16	115	334	30	2"	
63X2-1/2"	63	50X65	16	115	334	33	2-1/2"	
75X2"	75	65X50	10	129	396	30	2"	
75X2-1/2"	75	65X65	10	129	396	33	2-1/2"	
75X3"	75	65X80	10	129	396	35	3"	
90X3"	90	80X80	10	155	440	35	3"	
90X4"	90	80X100	10	155	440	40	4"	
110X3"	110	100X80	10	184	556	35	3"	
110X4"	110	100X100	10	184	556	40	4"	

# PVC VALVES



**PVC COMPACT BALL VALVE (SOCKET/THREAD)**

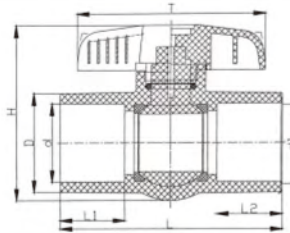
ITEM NO.:E01



Size	Nom	DIN d1	ANSI d1	BS d1	d	D	I	L	H1	H2	W
1/2"		20	21.3	22	14.5	32	22	80	64.3	44.9	68.5
3/4"		25	26.7	26	20	36.8	25	92	76	52	80.5
1"		32	33.4	34	24	45	28	106	94	65	100
1-1/4"		40	42.2	42	30	53.5	28	112.5	103	70	108
1-1/2"		50	48.3	48	34	62	33	129	112	73.5	108
2"		63	60.3	60	44	75.5	39.5	148	126	81	138
2-1/2"		75	73	76	56	92.5	39.5	177.5	166	108.5	192.5
3"		90	88.9	89	71	107	48	209	181	116	192.5
4"		110	114.3	114	86	134.5	78	294	236	151.5	262

**PVC OCTAGONAL BALL VALVE (SOCKET/THREAD)**

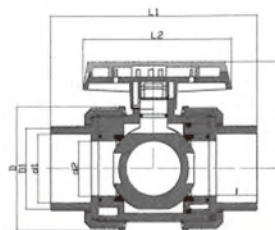
ITEM NO.:E02



Size	Nom	DIN d1	ANSI d1	BS d1	d	D	L	L1	L2	H	T
1/2"		20	21.3	22	14.5	32	69.8	18.2	18	60.1	65
3/4"		25	26.7	26	20	36.8	79.2	22	22	69.5	71.8
1"		32	33.4	34	24	45	94.2	26.2	25	83.7	87.8
1-1/4"		40	42.2	42	30	53.5	106.8	26.8	26	94.5	99.6
1-1/2"		50	48.3	48	34	62	122.8	31.2	31	109.7	109.8
2"		63	60.3	60	44	75.5	142.7	34.5	34	129	127.5
2-1/2"		75	73	76	56	92.5	173	41.5	41.5	164.5	180
3"		90	88.9	89	71	107	228	65	62	191	196
4"		110	114.3	114	86	134.5	256	65.5	65.5	216	218.5

**PVC DOUBLE UNION BALL VALVE (SOCKET/THREAD)**

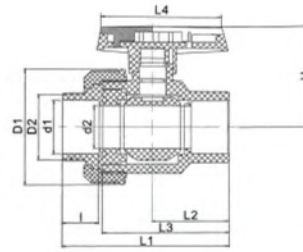
ITEM NO.:E03



Size	Nom	DIN d1	ANSI d1	BS d1	d2	D	D1	I	L1	L2	H
1/2"		20	21.3	22	14	51.2	27.6	20.6	112.5	65	50.5
3/4"		25	26.7	26	18.7	65.5	35.6	24.6	130.2	75	58.5
1"		32	33.4	34	24	73.7	41.6	28	142.5	85	65.7
1-1/4"		40	42.2	42	32	86.6	52	31	161	97	76.5
1-1/2"		50	48.3	48	40	102	59.5	31.5	166.5	110	86
2"		63	60.3	60	50	120	75	40	214	133.5	101.5
2-1/2"		75	73	76	60	135	87.5	40	228	161	112.5
3"		90	88.9	89	79	188	107.5	48	269	200	160.5
4"		110	114.3	114	99	216	132	56	309	240	173.5

**PVC SINGLE UNION BALL VALVE (SOCKET/THREAD)**

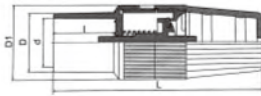
ITEM NO.:E04



Size	Nom	DIN d1	ANSI d1	BS d1	d2	D1	D2	I	L1	L2	L3	L4	H
1/2"	20	21.3	22	14	51.3	27.6	20.6	95.8	25.3	67.3	65	49.5	
3/4"	25	26.7	26	18.7	65.5	35.2	25	111.4	32.4	78.3	74.9	56.5	
1"	32	33.4	34	24	73.7	41.6	27.9	121.5	49.5	85.9	85	65	
1-1/4"	40	42.2	42	32	86.6	49	27	130	57	99	97.1	76.5	
1-1/2"	50	48.3	48	40	102	60.8	34.5	157.5	69	113.5	109.7	86.5	
2"	63	60.3	60	50	120	74.5	40	190	81	136.5	190.0	102	
2-1/2"	75	73	76	60	135	89	40	210	95.9	156	161	113.5	
3"	90	88.9	89	79	188	107.5	48	254.6	120.9	196.5	199.4	161.5	
4"	110	114.3	114	99	215.5	132	56	294	140.7	225	240	174	

**PVC FOOT VALVE(SOCKET/THREAD)**

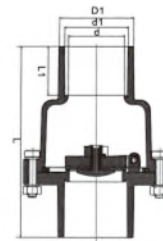
ITEM NO.:E05



Size	Nom	DIN d1	ANSI d1	BS d1	D	D1	I	L
3/4 "	25	26.7	26	35.5	43.7	32.5	141	
1 "	32	33.4	34	41.9	43.7	32.8	141	
1-1/4 "	40	42.2	42	51	78	35	195.3	
1-1/2 "	50	48.3	48	60.3	78	56	217.4	
2 "	63	60.3	60	72.5	78	57	217.4	
2-1/2 "	75	73	76	90	171.6	73.5	293.4	
3 "	90	88.9	89	76.4	183.8	58.2	252	
4 "	110	114.3	114	115	216	91	360	
6 "	160	168.3	168.3	161	291	120	500	

**PVC CHECK VALVE**

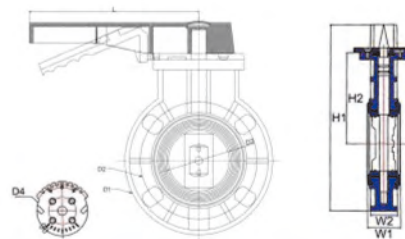
ITEM NO.:E06



Size	Nom	DIN d1	ANSI d1	BS d1	d	D1	L	L1
2-1/2 "	75	73.03	76	68.3	89	226.2	58	
3 "	90	88.9	89	83	103.6	264.4	73	
4 "	110	114.3	114	101	131.6	358	90	
6 "	160	168.3	166	147	182	422.4	113	

**PVC BUTTERFLY VALVE (HANDLE LEVER TYPE)**

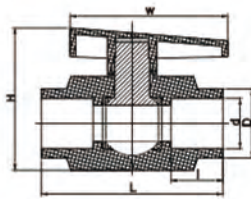
ITEM NO.:E07



Size	Nom	D1	ANSI D2	BS D2	D3	D4	L	H1	H2	W1	W2
2 "	160.1	120	120.4	55.6	99.7	189.7	223.3	98.3	44	32	
2-1/2 "	179.8	141.2	139.5	68.7	99.7	189	247	111.6	48.3	32.4	
3 "	195	156.4	139.5	83.9	99.7	238.5	282.6	132.5	51.9	36.3	
4 "	228.1	183	152.4	103.2	99.7	239.5	319.4	155.4	54.5	44.1	
5 "	257	210.9	190.5	129.5	139	309.8	368	170.3	66.5	54.6	
6 "	285.4	238.5	241.5	151.1	140	309.8	400.8	187.5	73.1	56.4	
8 "	342.6	292.4	298.5	198.6	140	309.8	473	230.1	92	72.2	

**PVC NEW COMPACT BALL VALVE**

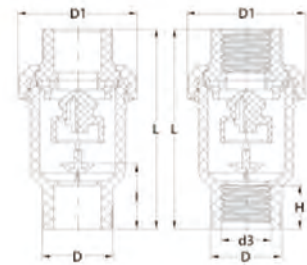
ITEM NO.:E08



Size	Nom	d	D	I	L	H	W
1/2"	21.34	27.0	20.3	68.9	48.9	58.0	
3/4"	26.67	31.2	23.8	83.6	65.4	73.2	
1"	33.40	40.0	28.5	102.9	85.2	89.4	
1-1/4"	42.16	50.7	30.2	114.5	98.0	97.4	
1-1/2"	48.26	56.6	33.3	127.2	111.5	107.5	
2"	60.32	69.2	37.1	155.1	141.0	128.3	

**PVC CHECK VALVE**

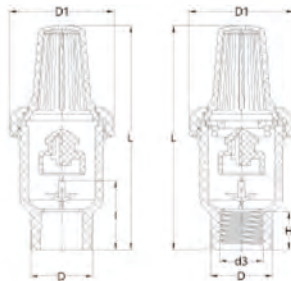
ITEM NO.:E09



Size	Nom	d3(BSPT)	D	D1	H	I	L(mm)
1/2"	21.0	29.9	42	18.3	33.1	84	
3/4"	26.6	36.2	52	18.5	35.7	90	
1"	33.5	42	58	22	38.5	100	
1-1/4"	42.6	53	71	26	46.5	120	
1-1/2"	48.0	60.9	81	26.8	59	135	
2"	60.0	75	99	43.4	185		
3"	78	107.5	166.7	55	252.3		
4"	78	134.6	198.2	64.5	302.1		

**PVC FOOT VALVE**

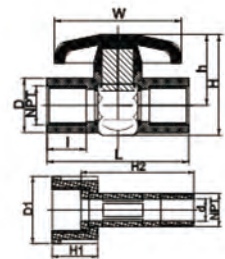
ITEM NO.:E10



Size	Nom	d3(BSPT)	D	D1	H	I	L(mm)
1/2"	21.0	29.9	42	18.3	33.1	108	
3/4"	26.6	36.2	52	18.5	35.7	118	
1"	33.5	42	58	22	38.5	133	
1-1/4"	42.6	53	71	26	46.5	160	
1-1/2"	48.0	60.9	81	26.8	59	182	
2"	60.0	75	99	43.4	242		
3"	78	107.5	166.7	55	356.2		
4"	78	134.6	198.2	64.5	436.6		

**OCTAGONAL VALVE WITH AUXILIARY OUTPUT**

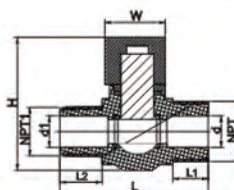
ITEM NO.:E15



Size	Nom	d	D	D1	NPT	I	L	h	H	H1	H2	W
1/2"	15.1	30.5	37.7	1/2"	18.0	65.2	41.0	58.0	20.5	54.9	60.9	

**THERMOPLASTIC CORPORATION VALVE**

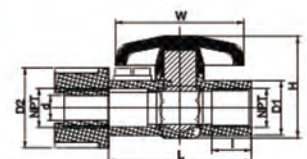
ITEM NO.:E20



Size	Nom	d	NPT	d1	NPT1	L1	L2	L	H	W
3/4" x 1/2"	13.6	3/4"	13.8	1/2"	15.3	18.0	62.6	59.2	25.8	

**OCTAGONAL VALVE**

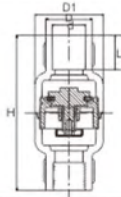
ITEM NO.:E21



Size	Nom	d	NPT	D1	D2	L	I	H	W
1/2"	17.3	1/2"	31	38	58.7	16.1	58	60.9	

**PVC SPRING CHECK VALVE (SOCKET/THREAD)**

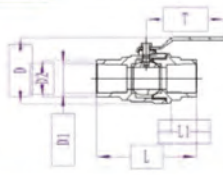
ITEM NO.:E22



Size	Nom	D1	D	ANSI(d)	DIN(d)	L	H
1/2"	45.2	30.5	21.34	1/2"	1/2"	23	103
3/4"	45.2	35.5	26.67	3/4"	3/4"	27	113.6
1"	57.5	43	33.4	1"	1"	28	142
1-1/4"	79.6	52	42.16	1-1/4"	1-1/4"	30.6	156
1-1/2"	79.8	60.2	48.26	1-1/2"	1-1/2"	36	167.4
2"	103.6	72	60.33	2"	2"	40.6	194.8

**PVC TWO-PIECE BALL VALVE STAINLESS STEEL HANDLE (NEW)**

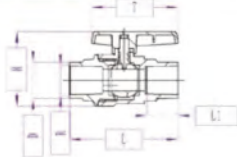
ITEM NO.:E24



Size	Nom	L	L1	D	R	H	T
∅20	93.4	31	31.7	1/2"	1/2"	60.7	63.5
∅25	98.6	31	37	3/4"	3/4"	68.3	83.5
∅32	114.3	35	44.8	1"	1"	78.2	83.5
∅40	128.9	38	57.4	1.1/4"	1.1/4"	102	97.5
∅50	139.6	41	63.9	1.1/2"	1.1/2"	115	117.3
∅63	167.2	48	79	2"	2"	123.8	117.3

**PVC TWO-PIECE BALL VALVE FULL PLASTIC HANDLE (NEW)**

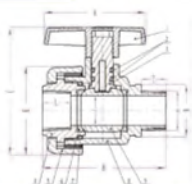
ITEM NO.:E25



Size	Nom	L	L1	D	R	H	T
15MM(1/2")	93.4	31	31.7	1/2"	1/2"	64	79
20MM(3/4")	98.6	31	37	3/4"	3/4"	70.5	79
25MM(1")	114.3	35	44.8	1"	1"	87.8	101.2
32MM(1.1/4")	128.9	38	57.4	1.1/4"	1.1/4"	99.5	101.2
40MM(1.1/2")	139.6	41	63.9	1.1/2"	1.1/2"	114.8	131.4
50MM(2")	167.2	48	79	2"	2"	128.7	131.4

**PVC OUTER WIRE BALL VALVE**

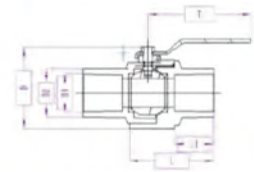
ITEM NO.:E27



Size	Nom	D	D1	A	B	C	D	E	L	T
20MM(3/4")	20	26.4	65	78.4	85.7	35	59.4	18	16	
25MM(1")	25	33.2	73	89.8	100.5	41	68.7	19	17	
32MM(1-1/4")	30	41.9	84.5	106	111	49.8	78.6	23	21	
40MM(1-1/2")	39	47.8	93	123	133	59	94.6	24	23	
50MM(2")	49	59.6	107	144	159.5	72	114.6	28	27	
65MM(2-1/2")	60	75.2	141	173.5	191.5	89.4	139	33	31.5	
80MM(3")	76	87.9	151	201	221.5	103	168	38	36.5	
100MM(4")	96	113	175.5	237.5	267	128.2	205.6	43	41.5	

**PVC TWO-PIECE BALL VALVE STAINLESS STEEL HANDLE (ORDINARY)**

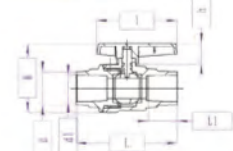
ITEM NO.:E23



Size	Nom	L	L1	D	R	H	T
∅20	93.3	28	29	1/2"	1/2"	59.8	63.5
∅25	99.8	30	34.7	3/4"	3/4"	66.5	83.5
∅32	113.6	33	42.7	1"	1"	75.1	83.5
∅40	130.7	38	53.8	1.1/4"	1.1/4"	89.9	97.5
∅50	139.5	40	61	1.1/2"	1.1/2"	109.9	117.3
∅63	167	48	73.7	2"	2"	119.3	117.3
∅75	197.6	56	91	2.1/2"	2.1/2"	148.4	139.1
∅90	251.9	75	106.3	3"	3"	178.4	190
∅110	282.5	76	134.4	4"	4"	196.7	212.6

**PVC TWO-PIECE BALL VALVE FULL PLASTIC HANDLE (ORDINARY)**

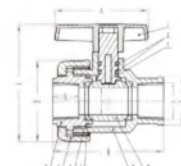
ITEM NO.:E25



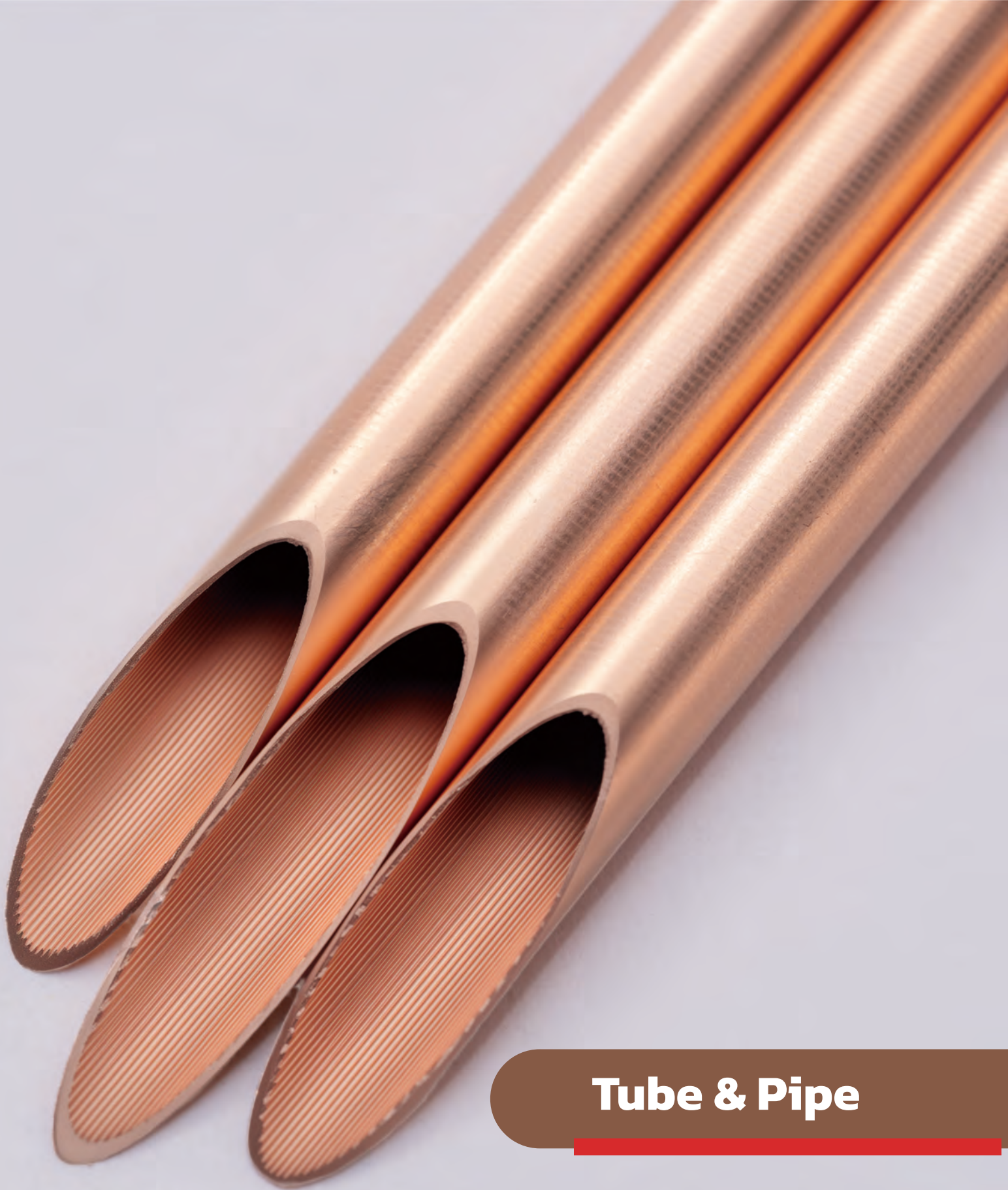
Size	Nom	L	L1	D	R	H
15MM(1/2")	93.3	28	29	1/2"	1/2"	62.9
20MM(3/4")	99.8	30	34.7	3/4"	3/4"	68
25MM(1")	113.6	33	42.7	1"	1"	84.3
32MM(1.1/4")	130.7	38	53.8	1.1/4"	1.1/4"	95.4
40MM(1.1/2")	139.5	40	61	1.1/2"	1.1/2"	110.8
50MM(2")	167	48	73.7	2"	2"	125
65MM(2.1/2")	197.6	56	91	2.1/2"	2.1/2"	163.1
80MM(3")	251.9	75	106.3	3"	3"	190
100MM(4")	282.5	76	134.4	4"	4"	220

**PVC INNER WIRE BALL VALVE**

ITEM NO.:E26



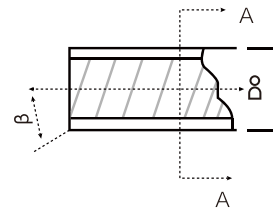
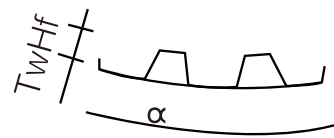
Size	Nom	D	D1	A	B	C	D	E	L
20MM(3/4")	20	26.7	65	76.9	85.7	35	59.4	18	
25MM(1")	25	33.5	73	86.8	100.5	43	68.7	19	
32MM(1-1/4")	30	42.2	84.5	103	111	52	78.6	23	
40MM(1-1/2")	39	48	93	115	133	61	94.6	24	
50MM(2")	49	59.9	107	136.4	159.5	73	114.6	28	
65MM(2-1/2")	60	75.5	141	163	191.5	91.8	139	33	
80MM(3")	76	88.2	151	192	221.5	104	168	38	
100MM(4")	96	113.4	175.5	226	267	130	205.6	43	



# Tube & Pipe

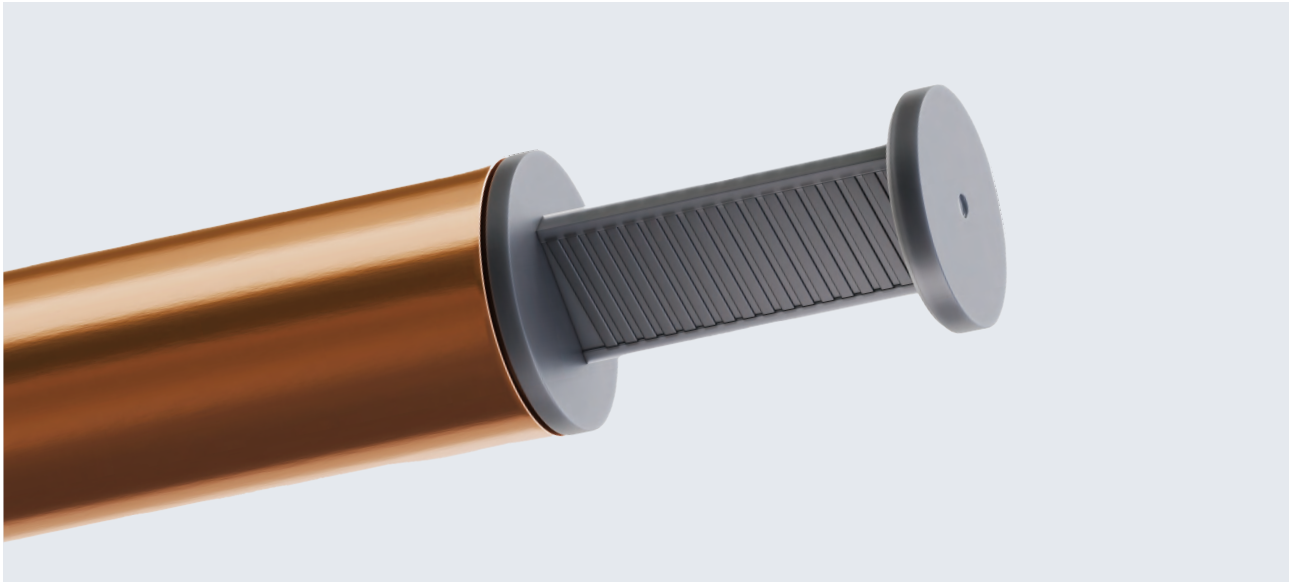
- Smooth & IGT (LWC/Jumbo)
- Plumbing | Refrigeration Coil & ACR Length | Line sets
- Fin Tube
- Alloy Tube
- Aluminum Tube

■ COPPER TUBE-SMOOTH & IGT (LWC/JUMBO)



Product Type	Size Range
Jumbo Coil	1/4' ~ 1/2'
LWC (Smooth)	3/16' ~ 7/8'
LWC (IGT)	3/16 ~ 1/2'

PLUMBING | REFRIGERATION COIL & ACR LENGTH | LINE SETS



ASTM B88 APPROVED

IAPMO Certification UPC and NSF61 for copper pipe of sanitary and heating installations

COPPER TUBE PLUMBING		TYPE K			TYPE L			TYPE M	DWV	MEDICAL GAS	
Nominal or Standard Size, in	Outside Diameter, in	Hard Lengths	Soft Coils	Soft Lengths	Hard Lengths	Soft Coils	Soft Lengths	Hard Lengths	Hard Lengths	Mitrogenized thru 3-1/8" only	
										Type K Hard Lengths	Type L Hard Lengths
1/4"	3/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	-	-	10 ft., 20 ft	10 ft., 20 ft
3/8"	1/2"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
1/2"	5/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
5/8"	3/4"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
3/4"	7/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
1"	1-1/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
1-1/4"	1-3/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
1-1/2"	1-5/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
2"	2-1/8"	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	40 ft ~ 100 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
2-1/2"	2-5/8"	2 ft ~ 20 ft	-	2 ft ~ 20 ft	2 ft ~ 20 ft	-	2 ft ~ 20 ft	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
3"	3-1/8"	2 ft ~ 20 ft	-	2 ft ~ 20 ft	2 ft ~ 20 ft	-	2 ft ~ 20 ft	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
3-1/2"	3-5/8"	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
4"	4-1/8"	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
5"	5-1/8"	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	2 ft ~ 20 ft	10 ft., 20 ft	10 ft., 20 ft
6"	6-1/8"	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft
8"	8-1/8"	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	-	2 ft ~ 20 ft	-	10 ft., 20 ft	10 ft., 20 ft

## ■ PLUMBING | REFRIGERATION COIL & ACR LENGTH | LINE SETS



### EZ-PULL Line Sets

- Available in white or black exterior hardshell
- Meets ASTM E84 for smoke and fire (25/50)
- Superior tear resistance
- Rugged, anti-tear exterior allows for easier installation of the line set
- UV Resistant
- R-410A, R-32 & R-454B Approved
- Insulation is marked every foot
- 1/2" Wall R3.3 Minimum\*
- 3/4" Wall R5.2 Minimum\*
- Can be ordered with Flare Nuts or Plain Ends.

#### Tube Size Lengths

1/4" - 5/8" 25', 50', 100' and 164' coils  
3/4 - 7/8" 50' coils

#### Insulation Wall Thickness

1/2" & 3/4"

### Rubber Line Sets

- Meets ASTM E84 for smoke and fire (25/50)
- UV Resistant
- R-410A, R-32 & R-454B Approved

#### Tube Sizes Lengths

1/4" - 7/8" 10' - 100'  
1 1/8" 10' - 50'

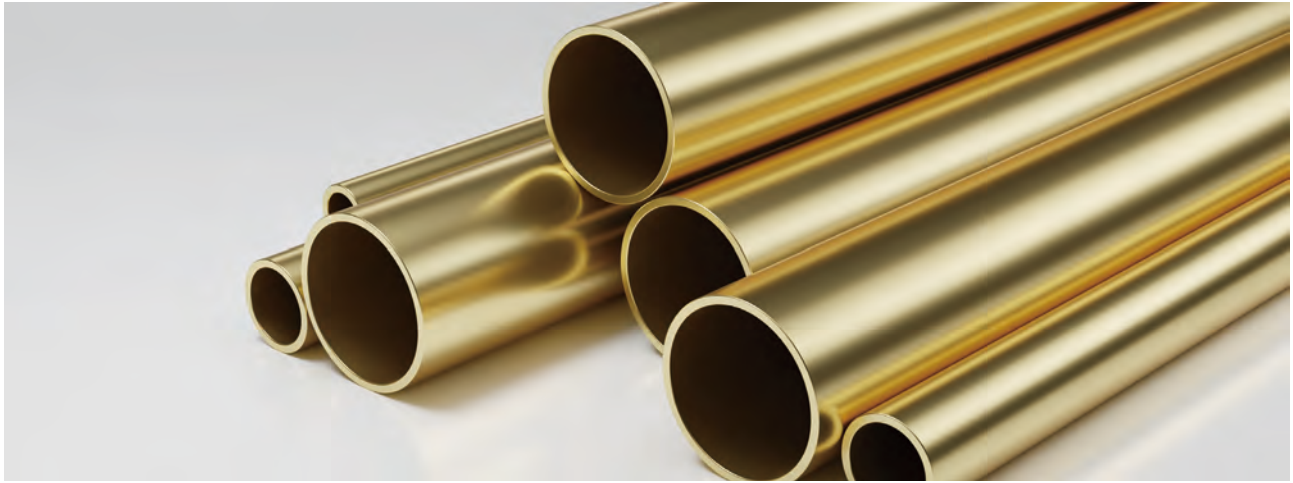
#### Insulation Wall Thickness

3/8", 1/2" 3/4" & 1"

**COPPER FIN TUBE** ■



PRODUCT TYPE	Size Range
Fin Tube	1/2' - 1 1/2'

■ COPPER ALLOY TUBE
**Main Products**

- Admiralty Brass Tube C44300
- AL-Brass Tube C68700
- CuNi Tube C70600
- CuNi Tube C71500/C71640

## SPECIFICATION SCOPE OF HIGH ACCURACY COPPER ALLOY TUBE

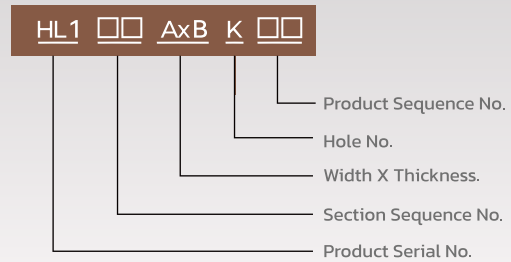
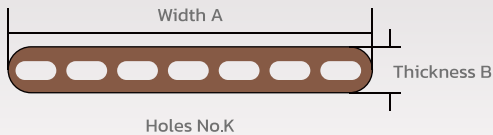
Size Range	Thickness (unit:inch)											Length (FT)
	0.0157	0.0157 to 0.0394	0.0394 to 0.0787	0.0787 to 0.1181	0.1181 to 0.1575	0.1575 to 0.1969	0.1969 to 0.2362	0.2362 to 0.2756	0.2756 to 0.3150	0.3150 to 0.3937	0.3937 to 0.4724	
3/16 to 3/8	○	○										≤ 82
3/8 to 13/16	○	○	○	○	○							≤ 82
13/16 to 1-15/16		○	○	○	○	○	○	○				≤ 82
1-15/16 to 3-15/16			○	○	○	○	○	○	○	○	○	≤ 49
3-15/16 to 7-7/8				○	○	○	○	○	○	○	○	≤ 39
7-7/8 to 11-13/16					○	○	○	○	○	○	○	≤ 20
11-13/16 to 16-1/2					○	○	○	○	○	○	○	≤ 20

## ALUMINUM TUBE



### Main Applications

Aluminum Multi-Port Extrusion Tubes are mainly used in Microchannel Heat Exchangers (MCHE), which offer higher heat transfer efficiency.



MODEL	WIDTH(INCH)	THICKNESS(INCH)	HOLES NUMBER	LBS/FT	MATERIAL GRADE
HL1-1-12×1.4-12-1	1/2	0.055	12	0.0180	3102
HL1-2-16×1.3-16-1	5/8	0.051	16	0.0245	3102
HL1-4-16×2-10-1	5/8	0.079	10	0.029	1100
HL1-15-20×1.8-10-1	13/16	0.071	10	0.0364	3102
HL1-35-20×1.8-12-1	13/16	0.071	12	0.0324	1100
HL1-21-25×2-18-1	1	0.079	18	0.0507	3102
HL1-6-25.4×2-13-1	1	0.079	13	0.0472	3102
HL1-8-26×2-21-1	1	0.079	21	0.0501	3102
HL1-91-26×2-13-1	1	0.079	13	0.0523	1100
HL1-22-32×2-25-3	1-1/4	0.079	25	0.0642	3102
HL1-39-32×2.05-6-1	1-1/4	0.081	6	0.060	3003
HL2-15-45×2.5-8	1-3/4	0.098	8	0.0577	3F03
HL2-28-50×5-10	1-15/16	0.197	10	0.1281	3F03
HL2-26-57×5-10	1-1/4	0.197	10	0.1791	3F03



## Copper & Brass Fitting

- Wrot Copper Fitting
- Press Connection
- K65 Copper Iron
- F1807 Crimp Pex
- F1960 Cold Expansion
- DWV Wrot Copper
- Flare Fitting
- Brass Compression Fitting

## ■ WROT COPPER FITTING



### Description

Wrot copper fittings are manufactured from a high-quality copper alloy that is known for its durability and resistance to corrosion. They are designed for connecting copper pipes in plumbing applications, ensuring tight seals and reliable performance.

### Standards

ASME B16.22 – Standard for Wrought Copper and Copper Alloy Solder Joint Pressure Fittings

ANSI/ASME B16.18: Standard for Cast Copper Alloy Solder Joint Pressure Fittings

### Functions

Used for soldered joints in water systems, HVAC installations, and refrigeration lines.

### Certifications

UPC certified, Lead-free applied, compliant with NSF/ANSI 61 for drinking water system components

### Materials

C12200 copper (99.9% copper content), C46500, C69300

PARTS FAMILIES	NOMINAL SIZE RANGE(OD SIZE ADD 1/8)
Copper Male Adapter CXM	1/8-4inch
Copper Female Adapter CXF	1/8-4inch
Fitting Reducer Male Adapter FtgXM	3/8-2inch
Fitting Reducer Female Adapter FtgXF	3/8-2inch
Flush Bushing FtgXC	1/4-2inch
Cap	1/8-6inch
Coupling w/Rolled Stop CXC	1/8-8inch
Coupling w/Dimple Stop CXC	1/8-8inch
Coupling with No Stop CXC	1/8-8inch
Reducing Coupling CXC	1/8-6inch
90° Short Turn Ell CXC	1/8-8inch
90° Long Turn Ell CXC	1/8-4inch
90° Short Turn Street Ell FtgXC	1/8-4inch
90° Long Turn Street Ell FtgXC	1/8-4inch
45° Ell CXC	1/8-8inch
45° Street Ell FtgXC	1/8-4inch
Fitting Reducer FtgXC	1/8-4inch
Tee CXCXC	1/8-6inch
Suction Line P-Trap CXC	1/2-2inch
Union No Lead CXC	1/4-4inch
U-Type Strap	1/8-2inch
Crossover CxC	1/2-2inch
Half-Crossover CxC	1/2-2inch
Brass Male Adapter CXM	1/2-2inch
Brass Female Adapter CXF	1/2-2inch
Brass Female Thread Elbow CXF	1/2-2inch
Brass Male Thread Elbow CXM	1/2-2inch
Brass Female Thread Drop-Ear Elbow CXF	1/2-2inch
Brass Female Thread Tee CXF	1/2-2inch

## PRESS CONNECTION ■



### Description

Press connections are designed to provide secure and durable joints in piping systems without the need for soldering or welding. Utilizing a specialized crimping tool, these fittings create a tight seal that enhances the reliability of plumbing installations.

### Functions

Ideal for water distribution systems, HVAC applications, and where quick and reliable connections are necessary without flames. The press technology allows for efficient installations while reducing labor costs and safety risks associated with traditional soldering techniques.

### Certifications

UPC certified, Lead-free applied, compliant with NSF/ANSI 61 for drinking water system components

### Standards

**ASME B16.51:** This standard specifies the requirements for metallic fittings employed in piping systems using the press-connect method, ensuring structural integrity and consistent quality.

**ANSI/ASME B16.18:** Standard for Cast Copper Alloy Solder Pressure Fittings, often used in conjunction with press fittings.

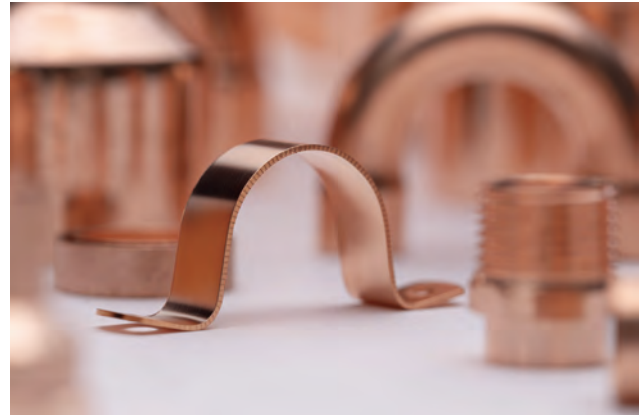
**ASTM F1807** – Standard Specification for Crimp PEX Fittings for Use with PEX tubing, used in conjunction with press to Pex connection.

**ASTM F1960** – Standard Specification for Cold Expansion Fittings with PEX Tubing, used in conjunction with press to CE connection.

### Materials

C12200, C46500, C69300, EPDM O-ring, HNBR O-ring, FKM O-ring

PARTS FAMILIES	NOMINAL SIZE RANGE
Copper Press Couplings w/Stop – PXP Rolled	1/2–4inch
Copper Press Couplings Less/Stop – PXP	1/2–4inch
Copper Press Couplings w/Stop – PXP Dimple	1/2–4inch
Copper Press Extended Couplings – PXP No Stop	1/2–2inch
Copper Press 90 Deg. Elbows PXP	1/2–4inch
Copper Press 90 Deg. Street Elbows Ftg.XP	1/2–4inch
Copper Press x FPT 90 Deg. Elbows PXF	1/2–2inch
Copper Press Flange	1/2–4inch
Copper Press 45 Deg. Elbows PXP	1/2–4inch
Copper Press 45 Deg. Street Elbows FtgXP	1/2–4inch
Copper Press Tees PXPXP	1/2–4inch
Copper Press Tube End Cap	1/2–4inch
Copper Press Reducer Couplings w/Stop – PXP	1/2–4inch
Copper Press Fitting Reducer Ftg.XP	1/2–4inch
Copper Press Female Adapters PXF	1/2–4inch
Copper Press Male Adapters P X M	1/2–4inch
Copper Press Female Tee P X F	1/2–4inch
Copper Press Adapter Reducer Ftg X FIP	1/2–2inch
Copper Press Adapter Reducer Ftg X MIP	1/2–2inch
Brass Press Union Px FPT	1/2–2inch
Brass Press Union PxMPT	1/2–2inch
Brass Press Union P x P	1/2–2inch
90° Drop Ear Elbow No Lead brass P x FPT	1/2–2inch
Brass Press x Male MPT Elbow	1/2–2inch
Brass Press x Female FPT Elbow	1/2–2inch
Brass Press x Female Adapters PXF	1/2–2inch
Brass Press Male Adapters P X M	1/2–2inch
Press x Crimp(F1807), PEX–B Adapter	1/2–1 1/2inch
Press x Expansion(F1960), PEX–A, PEX Adapter	1/2–1 1/2inch
Press x Expansion(F1960), PEX–A, PEX Adapter	1/2–1 1/2inch
Press x Crimp(F1807), PEX–B, Elbow	1/2–1 1/2inch
Press x Press x Pex (Crimp, F1807, PEX–B) Tee	1/2–1 1/2inch
Press x Press x Pex (expansion), PEX–A, Tee	1/2–1 1/2inch
Brass Press Flange	1/2–4inch



**Description**

K65 copper iron fittings are designed for high-performance applications, particularly within commercial refrigeration systems using CO2 (R-744) as a refrigerant. These fittings present an environmentally friendly option with zero ozone depletion potential (ODP) and a low global warming potential (GWP) of 1.

**Features and Benefits**

**Operating Pressure:** K65 fittings are UL 207 recognized, with a maximum operating pressure of 130 bar.

**Identification:** They are easily distinguishable from traditional copper fittings due to their slight magnetic properties and markings indicating "K65" and "130 bar."

**Warranty:** Professionally installed K65 fittings come with a 25-year warranty.

**Compatibility:** K65 fittings can be welded to K65 pipes without the need for expensive specialized TIG welding equipment.

**Corrosion Resistance:** K65 exhibits immunity to stress corrosion cracking and shows excellent corrosion resistance in both natural and industrial environments.

**Functions**

K65 fittings are ideal for high-pressure and high-temperature systems, providing reliable connections under demanding conditions. They can withstand operational pressures up to 130 bar, making them suitable for supermarket refrigeration systems and other commercial applications.

**Standards and Certifications**

**Standards:** K65 meets various international standards, including:  
 UL 207 for pressure components  
 VdTÜV Material Handbook 567 for seamless drawn CuFe2P (CW107C) pipes

**Certifications:** Compliant with ISO 9001 for quality management systems and UL 207 for pressure components

**Materials:** EN CuFe2P CW107C and UNS C19400 alloys.

PARTS FAMILIES	OD SIZE RANGE
K65 90° Street Elbow Ftg×C	3/8OD-2 5/8OD inch
K65 90° Elbow C×C	3/8OD-2 5/8OD inch
K65 45° Street Elbow Ftg×C	3/8OD-2 5/8OD inch
K65 45° Elbow C×C	3/8OD-2 5/8OD inch
K65 Tee C×C×C	3/8OD-2 5/8OD inch
K65 Tee Reducing C×C×C	3/8OD-2 5/8OD inch
K65 Reducing Coupling C×C	3/8OD-2 5/8OD inch
K65 Fitting Reducer Ftg×C	3/8OD-2 5/8OD inch
K65 End Cap	3/8OD-2 5/8OD inch

## F1807 CRIMP PEX



### Description

F1807 PEX fittings are specifically designed to connect cross-linked polyethylene (PEX) pipes, providing a robust and flexible solution for modern plumbing systems.

### Standards

**ASTM F1807** - Standard Specification for Copper and Copper Alloy Fittings for Use with PEX tubing

### Materials

C46500 BRASS, C69300 BRASS known for its high ductility and corrosion resistance

### Functions

Excellent for both hot and cold water applications, offering superior flexibility and resistance to scale and chlorine.

### Certifications

UPC certified. Lead free applied. Meets NSF/ANSI 61 and NSF/ANSI 14 standards, ensuring safety and quality for potable water systems.

PARTS FAMILIES	NOMINAL SIZE RANGE
Male Adpater Crimp PEX X MIP F1807 (A) NL BRASS	3/8-1 1/2inch
Female Adpt Crimp PEX X FPT F1807 (A) NL BRASS	3/8-1 1/2inch
Female Elbow Crimp PEX X FPT F1807 (A) NL BRASS	3/8-2inch
MALE ELBOW Crimp PEX X MPT F1807 (A) NL BRASS	3/8-2inch
COUPLING Crimp PEX X PEX F1807 (A) NL BRASS	3/8-2inch
PEX Elbow Crimp PEX X PEX F1807 (A) NL BRASS	3/8-2inch
PEX Drop Ear Elbow PEX X FIP F1807 (A) NL BRASS	1/2-1inch
PEX X PB Transition Coupling F1807 (A) NL BRASS	3/8-1inch
PEX x Female Sweat Elbow F1807 (A) NL BRASS	3/8-1 1/2inch
PEX x Female Sweat Adapter F1807 (A) NL BRASS	3/8-1 1/2inch
F1807 BRASS PEX Plug (No Lead)	3/8-1 1/2inch
PEX x Male Sweat Elbow F1807 (A) NL BRASS	3/8-1 1/2inch
PEX x Male Sweat Adapter F1807 (A) NL BRASS	3/8-1 1/2inch
PEX Tee F1807 PEX x PEX x PEX NL BRASS	3/8-1 1/2inch
F1807 PEX x FPT Swivel Adpt (plastic nut) NL BRASS	3/8-1inch
F1807 PEX x FPT Swivel Elbow (plastic nut) NL BRASS	3/8-1inch
F1807 PEX x FPT Swivel Elbow (Brass nut) NL BRASS	3/8-1inch
F1807 PEX x FPT Swivel Adapter (Brass nut) NL BRASS	3/8-1inch
PEX Crimp Ring, Black Copper	3/8-2inch
PEX Crimp Ring, Copper Color	3/8-2inch
F1807 PEX STUB OUT ELBOW	1/2-3/4inch
F1807 PEX STUB OUT ELBOW W/ WALL FLANGE	1/2-3/4inch
F1807 PEX STRAIGHT STUB OUT	1/2-3/4inch

## ■ F1960 COLD EXPANSION



### Description

F1960 PEX-A fittings utilize a unique cold expansion technology that allows for easy installation without the need for soldering or crimping. This makes them a preferred choice for contractors looking for efficiency.

### Standards

**ASTM F1960** – Standard Specification for Cold Expansion Fittings with PEX-A Tubing

### Materials

Made from high-quality C46500 LF BRASS or C69300 BRASS, ensuring excellent mechanical performance and longevity

### Functions

Suitable for residential plumbing systems including hot and cold water lines that require a strong and durable connection.

### Certifications

UPC Certified. Lead free applied. Meets NSF/ANSI 61, ensuring suitability for drinking water applications

PARTS FAMILIES	NOMINAL SIZE RANGE
F1960 BRASS CE PEX MALE ADAPTER LF F1960 X MIP	3/8-2inch
F1960 BRASS CE PEX FEMALE ADAPTER LF F1960 X FIP	3/8-2inch
F1960 x MALE SWEAT CE PEX BRASS ADAPTER LF	3/8-2inch
F1960 x FEMALE SWEAT CE PEX BRASS ADAPTER LF	3/8-2inch
F1960 BRASS CE PEX COUPLING LF	3/8-2inch
F1960 BRASS CE PEX DROP EAR ELBOW LF F1960 X FIP	1/2-1inch
F1960 BRASS CE PEX ELBOW LF	3/8-2inch
F1960 BRASS CE PEX TEE LF	3/8-2inch
F1960 BRASS CE PEX PLUG LF	3/8-2inch
F1960 BRASS PEX X PLASTIC SWIVEL ELBOW LF F1960 X FIP	3/8-1inch
F1960 BRASS CE PEX MALE SWEAT ELBOW LF	3/8-2inch
F1960 BRASS CE PEX FEMALE SWEAT ELBOW LF	3/8-2inch
F1960 PEX STUB OUT ELBOW	3/8-3/4inch
F1960 PEX STUB OUT ELBOW W/ WALL FLANGE	3/8-3/4inch
F1960 PEX STRAIGHT STUB OUT	3/8-3/4inch

## DWV WROT COPPER ■



### Description

DWV WROT (Wrought) Copper fittings are designed for drain, waste, and vent (DWV) systems. Using solder joints, they provide reliable connections and easy installation.

### Standards

Manufactured per ASME B16.29, which specifies the requirements for wrought copper solder joint drainage fittings, ensuring quality and performance.

### Functions

These fittings are ideal for residential and commercial plumbing, ensuring strong, leak-resistant connections for waste and vent lines.

### Materials

Made from high-quality wrought copper, ensuring durability and excellent mechanical performance, with a content of at least 84% copper for corrosion resistance.

PARTS FAMILIES	NOMINAL SIZE RANGE
DWV Copper Male Adapter CXM	1-2 1/2inch
DWV Copper Female Adapter CXF	1-2 1/2inch
DWV Test Cap	1-2 1/2inch
DWV Coupling w/Dimple Stop CXC	1-2 1/2inch
DWV Coupling with No Stop CXC	1-2 1/2inch
DWV Reducing Coupling CXC	1-2 1/2inch
DWV 90° Elbow CXC	1-2 1/2inch
DWV 90° Street Elbow FtgXC	1-2 1/2inch
DWV 45° Elbow CXC	1-2 1/2inch
DWV 45° Street Elbow FtgXC	1-2 1/2inch
DWV Fitting Reducer FtgXC	1-2 1/2inch
DWV Tee CXCXC	1-2 1/2inch



**Description**

Flare fittings are designed for secure connections in metal tubing, ideal for high-pressure applications. They effectively resist mechanical pull-out, ensuring robust, leak-resistant joints.

**Standards**

**ISO 8434-2** – Metallic Tube Connections for Fluid Power and General Use

**SAE L512 & SAE J513** – Compatibility standards for specific applications.

**Materials**

Typically made from brass (C37700), flare fittings provide excellent machinability and corrosion resistance, ensuring long-lasting reliability.

**Functions**

These fittings are commonly used in fuel gas delivery systems and refrigeration lines. They are preferred for higher pressures compared to compression fittings. Flare fittings are compatible with materials like aluminum, copper, brass, and welded steel tubing, making them suitable for various applications, including fuel, oil, liquefied petroleum (LP), and natural gas lines.

**Operating Specifications**

**Temperature Range:** Operates between -65° F to 250° F, depending on application.

**Working Pressure:** Varies based on tube size and material; refer to specific specifications for maximum pressures.

PARTS FAMILIES	OD SIZE RANGE
LONG FLARE NUT FORGED	1/4-3/4inch
SHORT FLARE NUT FORGED	1/4-3/4inch
90° ELBOW Flare x Flare	1/4-3/4inch
90° ELBOW Flare x FIP	1/4-3/4inch
90° ELBOW Flare x MIP	1/4-3/4inch
FLARE UNION Flare x Flare	1/4-3/4inch
FLARE CONNECTOR FLARE x MIP	1/4-3/4inch
FLARE CONNECTOR FLARE x FIP	1/4-3/4inch
FLARE CONNECTOR MALE FLARE x FEMALE FLARE	1/4-3/4inch
Flare Swivel FEMALE FLARE x FEMALE FLARE	3/8-1/2inch
Flare CAP	1/4-3/4inch
Flare PLUG	1/4-3/4inch
FLARE TEE	1/4-3/4inch

## BRASS COMPRESSION FITTING ■



### Description

Brass compression fittings are mechanical couplings used extensively for securely connecting various types of tubes. These fittings are especially noted for their durability, strength, and resistance to corrosion, widely used in plumbing, hydraulic, and pneumatic systems, as well as automotive applications where secure connections are necessary.

### Standards

**NSF 372 Certified:** Safe for drinking water with low-lead content. Conforming to ANSI B1.20.1 and SAE J512 standards.

### Functionality

Brass compression fittings create leak-proof connections for transporting liquids and gases in plumbing and various systems. They can handle pressure ratings up to 150 psi at temperatures of around 73°F (23°C) and are easy to install without soldering, welding, or special tools, making them convenient for both professionals and DIY users.

### Materials

Generally made from brass C69300, C46500 and C37700

PARTS FAMILIES	OD SIZE RANGE
COMPRESSION SLEEVE RING	1/8OD-3/4ODinch
COMPRESSION NUT	1/8OD-3/4ODinch
COMPRESSION UNION COMP x COMP	1/8OD-3/4ODinch
COMPRESSION TEE	1/8OD-3/4ODinch
COMPRESSION MALE ADAPTER COMP x MIP	1/8OD-3/4ODinch
COMPRESSION FEMALE ADAPTER COMP x FIP	1/8OD-3/4ODinch
COMPRESSION ELBOW COMP x COMP	3/16OD-3/4ODinch
COMPRESSION MALE ELBOW COMP x MIP	1/8OD-1/2ODinch
COMPRESSION FEMALE ELBOW COMP x FIP	1/8OD-1/2ODinch



**GDJL6001**



**GDJL6002**



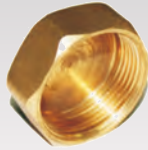
**GDJL6003**



**GDJL6004**



**GDJL6005**



**GDJL6006**



**GDJL6007**



**GDJL6008**



**GDJL6009**



**GDJL6010**



**GDJL6011**



**GDJL6012**



**GDJL6013**



**GDJL6014**



**GDJL6015**



**GDJL6016**



**GDJL6017**



**GDJL6018**



**GDJL6019**



**GDJL6020**

# MALLEABLE IRON PIPE FITTING



90# elbow  
round edged



90# elbow  
square edged



92#



270# coupling



130# tee  
round edged



130# tee  
square edged



241# bushing



291# plug



180#  
square edged



45# elbow



301# round cap



340# union, conical  
joint, brass to iron seat



180#  
no edged



240#  
reduce Bushing



pipe nipple



KC nipple

**CLASSIFY**

**BY WEIGHT:** LIGHT/HEAVY

**BY STYLE:** NO RIBBED / RIBBED

**BY EDGED:**

ROUND EDGED / SQUARE EDGED / NO EDGED

**BY SURFACE TREATMENT:**

SELF-COLOR BLACK / GALV. / ROAST PLATING / HOT DIP

**AMERICAN STANDARD**

300 PSI MALLEABLE IRON PIPEFITTING

150 PSI MALLEABLE IRON PIPEFITTING

MATERIAL: ASTM A-197 ASTM A47

DIMENSIONS: ASME B16.3, B16.4

UNION DIMENSIONS: B16, 39

THREADS: ANSI B1. 20. 1(NPT)

SIZE AVAILABLE: 1/8"~6"

**BRITISH STANDARD**

MATERIAL: ASTM A-197 ASTM A47

DIMENSIONS: BS EN 10242, BS 143&1256

THREADS: ISO7/1

SIZE AVAILABLE: 1/8"~6"



**Long Radius Pipe Elbow**

Seamless elbow:  
1/2"~24", DN15~DN600 OD21MM~610MM  
Welded Elbow:  
4" ~78", DN100~DN1900 OD114MM~1980MM

**Short Radius Pipe Elbow**

Seamless elbow:1/2"~24"DN15~DN600  
Welding elbow:6"~60"DN150~DN1500



**Pipe Tee**

seamless size: 1/2"~24"DN15~DN600  
welding size: 4"~78" DN150~DN1900



**Pipe Bend**

Seamless tube bending:  
1/2"~24" DN15~DN600  
Welded tube bending:  
6"~60" DN150~DN1500



**Pipe Reduce**

seamless pipe reducer: 1/2"~24"DN15~DN600  
welding pipe reducers: 4"~78" DN150~DN1900



**Pipe Cap**

size: 1/2"~78" DN15~DN1900



**Pipe Cross**

Seamless Cross:1/2"~24"DN15~DN600  
Weld Cross: 4"~78" DN150~DN1900

**Standards**

ASME B16.9-2007 ASME B16.25-2007 ASME B16.5-2007 EN10253-1-1999 EN10253-2-2007 EN10253-3-2008 EN10253-4-2008  
DIN2605-1-1992 DIN2605-2-1995

**wall thickness**

sch10, sch20, sch30, std, sch40, sch60, xs, sch80, sch100, sch120, sch140, sch160, xxs, sch5s, sch20s, sch40s, sch80s,max wall thickness: 150mm

**materials**

carbon steel: ASTM/ASME A234 WPB-WPC

alloy steel: ASTM/ASME A234 WP 1-WP 12-WP 11-WP 22-WP 5-WP 91-WP 911

stainless steel: ASTM/ASME A403 WP 304-304L-304H-304LN-304N ASTM/ASME A403 WP 316-316L-316H-316LN-316N-316Ti

ASTM/ASME A403 WP 321-321H ASTM/ASME A403 WP 347-347H

low-temperature steel: ASTM/ASME A402 WPL 3-WPL 6 high performance: ASTM/ASME A860 WPHY 42-46-52-60-65-70



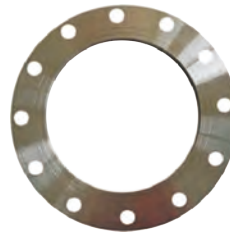
**Weld Neck Flange**

3/8"~160"  
DN10~DN4000



**Slip On Weld Flange**

3/8"~40"  
DN10~DN1000



**Plate Weld Flange**

3/8"~100"  
DN10~DN2500



**Blind Flange**

3/8"~100"  
DN10~DN2500

**Pressure**

American Series: CLASS 150, CLASS 300, CLASS 400, CLASS 600, CLASS 900, CLASS 1500, CLASS 2500

European Series: PN 2.5, PN 6, PN 10, PN 16, PN 25, PN 40, PN 63, PN 100, PN 160, PN 250, PN 320, PN 400

**Flange Facin Types**

American Series:Flat Face (FF), Raised face (RF), groove (G), femaie(F), ring joints face(RJ)



**SINCERELY COOPERATE WITH YOU IN FULL**



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