

CHARLOTTE
PIPE AND FOUNDRY COMPANY[®]

DIMENSIONAL CATALOG

ABS-DWV Pipe and Fittings

PVC-DWV Pipe and Fittings

PVC Sewer Pipe

**PVC Schedule 30 DWV Thin
Wall 3.25 in. O.D. Pipe and
Fittings**

(Updated September 6, 2018)

DWV

You can't beat the system.®

Plastic DWV Pipe and Fitting Dimensions



All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.

Table of Contents

	<u>Page</u>
ABS "Foam Core" Schedule 40 DWV Pipe Data	4
ABS Plus® "Foam Core" Schedule 40 DWV Pipe Data	5
PVC "Foam Core" Schedule 40 DWV Pipe Data	6
RePVC® Schedule 40 DWV Pipe Data	7
PVC Schedule 40 DWV Pipe Data	8
D 3034 PVC Sewer Pipe Data	9
PVC D 2729 Sewer and Drain Pipe Data.....	10
PVC and ABS DWV Fittings Dimensions.....	11-65
PVC Thin Wall Sch. 30 Pipe Data.....	66
PVC Thin Wall Sch. 30 Fittings Dimensions.....	67-73
Certification.....	74-75
Warranty	76



Download our Tech Tools App for dimensional info, tech calculators and more on your mobile device.

ABS Foam Core Pipe

ABS Schedule 40 DWV Pipe
(For Non-Pressure Applications)



ABS SCHEDULE 40 FOAM CORE (BLACK)			PLAIN END		ASTM F 628	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
ABS 3112	1½" x 10'	03132	2590	1.900	0.145	27.1
ABS 3112	1½" x 20'	03133	5180	1.900	0.145	27.1
ABS 3200	2" x 10'	03134	1670	2.375	0.154	37.7
ABS 3200	2" x 20'	03135	3340	2.375	0.154	37.7
ABS 3300	3" x 10'	03136	750	3.500	0.216	74.5
ABS 3300	3" x 20'	03137	1500	3.500	0.216	74.5
ABS 3400	4" x 10'	03138	480	4.500	0.237	107.1
ABS 3400	4" x 20'	03139	960	4.500	0.237	107.1
ABS 3600	6" x 20'	03141	400	6.625	0.280	187.8

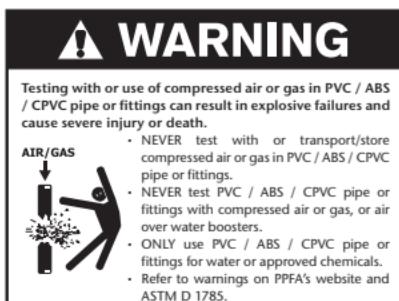
NSF Listed. Meets All Requirements of ASTM F 628.



NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS / ABS Plus® cellular core (foam core) pipe for pressure applications. The use of cellular core pipe in pressure applications may result in system failure and property damage.



ABS Plus® Foam Core DWV Pipe

ABS Plus is a registered trademark of Charlotte Pipe and Foundry Company.

ABS Plus Schedule 40 DWV Pipe (For Non-Pressure Applications)



ABS PLUS SCHEDULE 40 FOAM CORE (BLACK)			PLAIN END		ASTM F 1488	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
APA 17112	1½" x 10'	12495	2590	1.900	0.145	31.4
APA 17112	1½" x 20'	12494	5180	1.900	0.145	31.4
APA 17200	2" x 10'	12497	1670	2.375	0.154	41.9
APA 17200	2" x 20'	12496	3340	2.375	0.154	41.9
APA 17300	3" x 10'	12499	750	3.500	0.216	84.0
APA 17300	3" x 20'	12498	1500	3.500	0.216	84.0
APA 17400	4" x 10'	12501	480	4.500	0.237	118.80
APA 17400	4" x 20'	12500	960	4.500	0.237	118.80

NSF Listed. Meets All Requirements of ASTM F 1488.

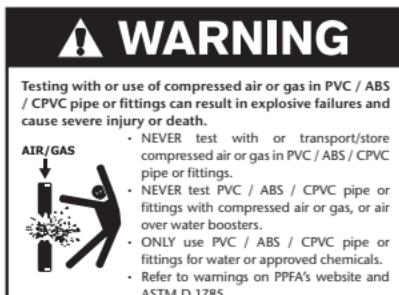
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NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS / ABS Plus® cellular core (foam core) pipe for pressure applications. The use of cellular core pipe in pressure applications may result in system failure and property damage.



PVC Foam Core Pipe

PVC Schedule 40 DWV Pipe (For Non-Pressure Applications)



PVC SCHEDULE 40 FOAM CORE (WHITE)			PLAIN END		ASTM F 891	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 4112	1 1/2" x 10'	04178	1650	1.900	0.145	32.3
PVC 4112	1 1/2" x 20'	04177	3300	1.900	0.145	32.3
PVC 4200	2" x 10'	04174	1110	2.375	0.154	43.9
PVC 4200	2" x 20'	04173	2220	2.375	0.154	43.9
PVC 4300	3" x 10'	03934	1040	3.500	0.216	89.7
PVC 4300	3" x 20'	03935	920	3.500	0.216	89.7
PVC 4400	4" x 10'	03936	600	4.500	0.237	123.8
PVC 4400	4" x 20'	03937	1200	4.500	0.237	123.8
PVC 4600	6" x 10'	03938	330	6.625	0.280	235.0
PVC 4600	6" x 20'	03939	660	6.625	0.280	235.0
PVC 4800	8" x 20'	03941	360	8.625	0.322	371.0
PVC 4910	10" x 20'	03942	220	10.750	0.365	566.3
PVC 4912	12" x 20'	03943	120	12.750	0.406	700.0

PVC SCHEDULE 40 FOAM CORE (WHITE) BELL-END						
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 4300B	3" x 20'	04782	920	3.500	0.216	89.7
PVC 4400B	4" x 10'	04783	540	4.500	0.237	123.8
PVC 4400B	4" x 20'	04784	1080	4.500	0.237	123.8
PVC 4600B	6" x 10'	09904	330	6.625	0.280	235.0
PVC 4600B	6" x 20'	04786	660	6.625	0.280	235.0

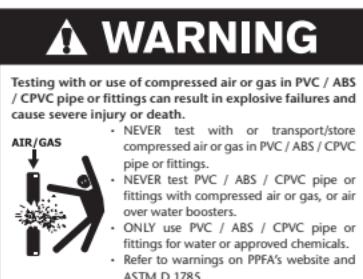
NOTE: When ordering, please specify plain end or bell end.

NSF Listed. Meets All Requirements of ASTM F 891.

NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS / ABS Plus® cellular core (foam core) pipe for pressure applications. The use of cellular core pipe in pressure applications may result in system failure and property damage.





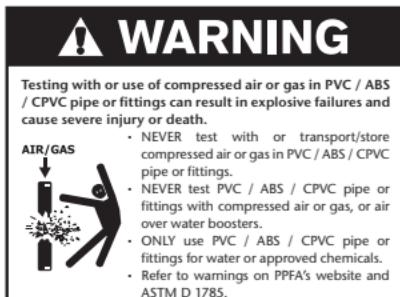
RePVC is a registered trademark of Charlotte Pipe and Foundry Company.

**PVC Schedule 40 DWV Pipe with Recycled Content
(For Non-Pressure Applications)**


PVC SCHEDULE 40 (WHITE)		PLAIN END			ASTM F 1760	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 15112	1 1/2" x 20'	11744	3300'	1.900	0.145	50.7
PVC 15200	2" x 20'	11745	2220'	2.375	0.154	68.1
PVC 15300	3" x 20'	11746	920'	3.500	0.216	141.2
PVC 15400	4" x 20'	11748	1200'	4.500	0.237	201.2
PVC 15600	6" x 20'	11749	560'	6.625	0.280	353.7
PVC 15800	8" x 20'	11984	360'	8.625	0.322	544.6

NSF Listed. Meets All Requirements of ASTM D 4396 and ASTM F 1760.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



RePVC - DWV PIPE

PVC Schedule 40 DWV Pipe

PVC Schedule 40 DWV Pipe

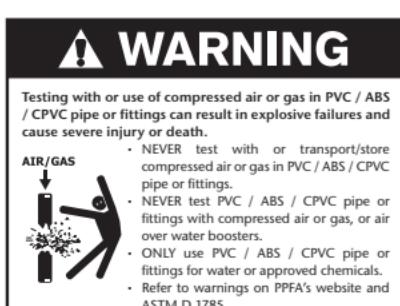


PVC SCHEDULE 40 (WHITE)		PLAIN END		PVC 1120		ASTM D 2665	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)	
PVC 7100*	1 1/4" x 10'	03945	2120'	1.660	.140	42.4	
PVC 7100*	1 1/4" x 20'	03946	4240'	1.660	.140	42.4	
PVC 7112*	1 1/2" x 10'	03947	1650'	1.900	.145	51.8	
PVC 7112*	1 1/2" x 20'	03948	3300'	1.900	.145	51.8	
PVC 7200*	2" x 10'	03949	1110'	2.375	.154	69.5	
PVC 7200*	2" x 20'	03950	2220'	2.375	.154	69.5	
PVC 7300*	3" x 10'	03951	1040'	3.500	.216	144.2	
PVC 7300*	3" x 20'	03952	920'	3.500	.216	144.2	
PVC 7400†	4" x 10'	03953	600'	4.500	.237	205.5	
PVC 7400†	4" x 20'	03954	1200'	4.500	.237	205.5	
PVC 7500†	5" x 20'	04837	760'	5.563	.258	272.5	
PVC 7600†	6" x 10'	03955	330'	6.625	.280	361.2	
PVC 7600†	6" x 20'	03956	660'	6.625	.280	361.2	
PVC 7800†	8" x 10'	13087	180'	8.625	.322	543.6	
PVC 7800†	8" x 20'	03958	360'	8.625	.322	543.6	
PVC 7910†	10" x 20'	03959	220'	10.750	.365	770.7	
PVC 7912†	12" x 20'	03961	120'	12.750	.406	1019.0	
PVC 7914†	14" x 20'	04862	60'	14.000	.437	1205.0	
PVC 7916†	16" x 20'	04918	60'	16.000	.500	1575.7	

* Dual Marked ASTM D 1785 & ASTM D 2665.

† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480.

NSF Listed. Meets All Requirements of
 ASTM D 1784, ASTM D 1785, and
 ASTM D 2665.



PVC Sewer Pipe

PVC SDR 35 PSM Pipe

ASTM D 3034 & ASTM F 477

SDR-35 GASKETED - PS 46							
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)	MIN. WALL (IN.)
S/M 6004G	4"x14'	11920	840	14'-0"	110.4	4.215	.120
S/M 6004G	4"x20'	04012	1200	20'-0"	109.7	4.215	.120
S/M 6006G	6"x14'	11921	392	14'-0"	249.6	6.275	.180
S/M 6006G	6"x20'	04016	560	20'-0"	247.0	6.275	.180
S/M 6008G	8"x14'	11922	140	14'-0"	451.0	8.400	.240

Weight is approximate and is for shipping purposes only.

SDR-35 SOLVENT WELD - PS 46							
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID (FT.)	LAYING LENGTH	WT. PER 100 FT. (LBS.)	AVG. OD (IN.)	MIN. WALL (IN.)
S/M 6004	4"x10'	04008	600	10'-0"	108.3	4.215	.120
S/M 6004	4"x20'	04009	1200	20'-0"	108.3	4.215	.120
S/M 6006	6"x10'	04013	330	10'-0"	241.7	6.275	.180
S/M 6006	6"x20'	04014	660	20'-0"	241.7	6.275	.180

Weight is approximate and is for shipping purposes only.

Meets All Requirements of ASTM D 3034.

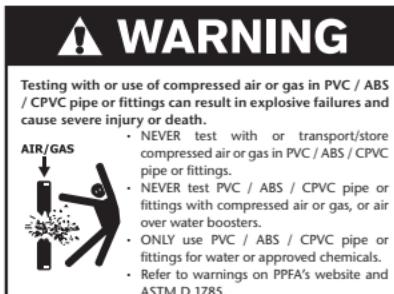
SDR 35 Gaskets meet or exceed ASTM F 477. Gasketed joints meet ASTM D 3212.



NOTICE

NOT FOR PRESSURE

Do not use PVC Sewer pipe for pressure applications. The use of sewer pipe in pressure applications may result in system failure and property damage.



PVC Sewer and Drain Pipe

PVC ASTM D 2729 Pipe

SOLVENT WELD BELLED END						ASTM D 2729	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)
PVC 30030	3" x 10'	10903	810'	3.250	0.070	3.00	52.8
PVC 30040	4" x 10'	10905	500'	4.215	0.075	3.50	70.4

Perforated PVC ASTM D 2729 Pipe

SOLVENT WELD BELLED END						ASTM D 2729	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	BELL DEPTH (IN.)	WT. PER 100 FT. (LBS.)
PVC 30030P	3" x 10'	11814	1040'	3.250	0.070	3.00	52.8
PVC 30040P	4" x 10'	11815	500'	4.215	0.075	3.50	70.4

Perforated pipe is supplied with two rows of 1/2" diameter holes every five inches. Rows are parallel to the pipe axis and are 120° apart.

Weight is approximate and is for shipping purposes only.

Pipe listed in this section meets or exceeds the requirements of ASTMD 2729.

All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



NOTICE

NOT FOR PRESSURE

Do not use PVC Sewer pipe for pressure applications. The use of sewer pipe in pressure applications may result in system failure and property damage.

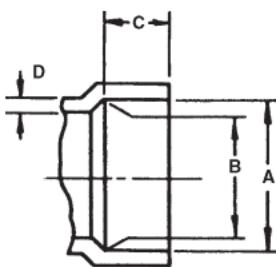
WARNING

Failure to follow safety precautions may result in misapplication or improper installation and testing which can cause severe personal injury and / or property damage. Primers and cements are extremely flammable and may be explosive. Do not store or use near heat or open flame, or death or serious injury may occur.

- Solvent fumes created during the joining process are heavier than air and may be trapped in newly installed piping systems.
- Ignition of the solvent vapors caused by spark or flame may result in injury or death from explosion or fire.
- Read and obey all manufacturers' warnings and any instructions pertaining to primers and cements.
- Provide adequate ventilation to reduce fire hazard and to minimize inhalation of solvent vapors when working with cements, primers and new piping systems.

PVC and ABS DWV Fittings

HUB DIMENSIONS



ABS

SIZE	A	B	C	D
1 1/2	1.910	1.895	.687	.156
2	2.385	2.370	.750	.156
3	3.515	3.495	1.500	.218
4	4.515	4.495	1.750	.250
6	6.647	6.614	3.000	.281

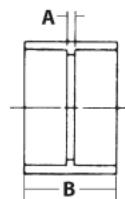
PVC

SIZE	A	B	C	D
1 1/4	1.675	1.650	.687	.156
1 1/2	1.915	1.895	.687	.156
2	2.390	2.370	.750	.156
3	3.520	3.495	1.500	.218
4	4.520	4.495	1.750	.250
6	6.647	6.614	3.000	.281
8	8.655	8.610	4.000	.322
10	10.776	10.737	5.000	.365
12	12.778	12.736	6.000	.406
14	14.035	13.085	7.000	.437
16	16.045	15.980	8.000	.500

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PART NO. 100
Coupling
 HUB X HUB

SIZE	A	B
1 1/4	1/8	1 5/8
1 1/2 (PVC)	1/8	1 9/16
1 1/2 (ABS)	1/8	1 5/8
2 (PVC)	15/64	1 3/4
2 (ABS)	1/8	1 13/16
3	3/16	3 3/16
4	1/4	3 3/4
6	1/4	6 1/4
8 (PVC)	1/4	8 1/4
10 (PVC)	5/16	10 3/8
12 (PVC)	3/8	13 7/16
14 ^(F) (PVC)	3	17
16 ^(F) (PVC)	3 3/8	19 3/8



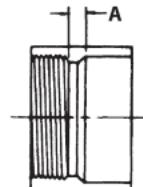
(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 101**Female Adapter**

FPT X HUB

SIZE	A
1 1/2 (PVC)	1/4
1 1/2 (ABS)	3/16
2 (PVC)	1/4
2 (ABS)	5/32
3 (PVC)	5/16
3 (ABS)	7/32
4	1 1/32
6 (PVC)	1/4
6 (ABS)	3/32
8 (PVC)	9/16
10 ^(F) (PVC)	2 7/8
12 ^(F) (PVC)	3 3/16

**PART NO. PVC 101X****Female Adapter with Cleanout Plug**

FPT X HUB

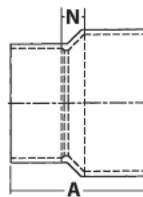
SIZE	
8 (PVC)	See Part No. 101 and 106
10 ^(F) (PVC)	
12 ^(F) (PVC)	

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^(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 102**Pipe Increaser-Reducer****HUB X HUB**

SIZE	A	N
1½ x 2 (PVC)	2 ⁵ / ₃₂	1 ⁷ / ₃₂
1½ x 2 (ABS)	2 ³ / ₃₂	5/8
1½ x 3	3 ¹¹ / ₃₂	1 ³ / ₃₂
2 x 3 (PVC)	3 ⁵ / ₃₂	7/8
2 x 3 (ABS)	3 ¹⁷ / ₃₂	1 ¹ / ₈
2 x 4 (PVC)	4	1 ³ / ₈
2 x 4 (ABS)	4 ¹ / ₁₆	1 ³ / ₈
3 x 4	4 ³ / ₁₆	15/16
3 x 6 (PVC)	6½	2
4 x 6 (PVC)	6 ⁹ / ₃₂	1 ³ / ₄
4 x 8 (PVC)	7½	1 ²³ / ₃₂
6 x 8 (PVC)	8 ¹³ / ₃₂	1 ¹³ / ₃₂
4 x 10** (PVC)	11 ²⁵ / ₆₄	4 ¹⁵ / ₃₂
4 x 12** (PVC)	13 ³ / ₈	5 ¹⁹ / ₃₂
4 x 14 ^(F) (PVC)	19	9 ³ / ₄
4 x 16 ^(F) (PVC)	20 ⁵ / ₈	10 ¹ / ₄
6 x 10 (PVC)	9 ²⁷ / ₃₂	1 ⁷ / ₈
6 x 12** (PVC)	13 ³ / ₈	4 ³ / ₈
6 x 14 ^(F) (PVC)	20 ³ / ₄	10 ¹⁵ / ₃₂
6 x 16 ^(F) (PVC)	22 ¹ / ₈	10 ²³ / ₃₂
8 x 10 (PVC)	10 ³ / ₄	1 ¹ / ₁₆
8 x 12 (PVC)	12 ³ / ₄	2 ¹ / ₁₆
8 x 14 ^(F) (PVC)	22½	11 ³ / ₈
8 x 16 ^(F) (PVC)	24 ¹ / ₄	12 ¹ / ₈
10 x 12 (PVC)	12 ³ / ₄	1 ¹¹ / ₁₆
10 x 14 ^(F) (PVC)	17 ³ / ₄	5 ³ / ₄
10 x 16 ^(F) (PVC)	25	12
12 x 14 ^(F) (PVC)	16 ¹¹ / ₁₆	3 ³ / ₁₆
12 x 16 ^(F) (PVC)	20 ³ / ₄	6 ⁷ / ₁₆
14 x 16 ^(F) (PVC)	19 ⁷ / ₈	4 ⁷ / ₁₆

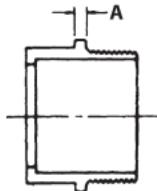
^(F) Fabricated

** Assembled from two molded components

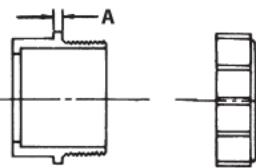
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 103**Trap Adapter-Male, Less Washer & Metal Nut****SPIGOT X SLIP**

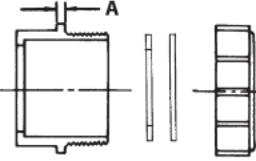
SIZE	A
1½ x 1¼ (PVC)	3/16
1½	3/16
2	3/16

**PART NO. 103P****Trap Adapter-Male, with Washer & Polyethylene Nut****SPIGOT X SLIP**

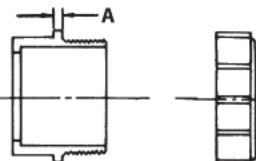
SIZE	A
1½ x 1¼	3/16
1½	3/16
2 (PVC)	3/16

**PART NO. PVC 103R****Trap Adapter-Male, with 1½" PVC Nut & Washer & 1½" x 1¼" Washer****SPIGOT X SLIP WITH PVC NUT**

SIZE	A
1½ (PVC)	3/16

**PART NO. 103W****Trap Adapter-Male, with Washer & PVC Nut****SPIGOT X SLIP WITH PVC NUT**

SIZE	A
1½ x 1¼	3/16
1½	3/16
2	3/16



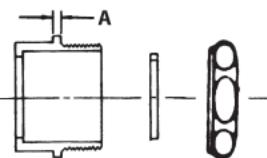
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

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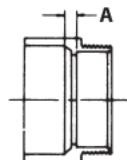
PART NO. 103X**Trap Adapter—Male, with Washer & Chrome Nut**

SPIGOT X SLIP

SIZE	A
1 1/2 x 1 1/4	5/16
1 1/2	3/16
2 (PVC)	3/16

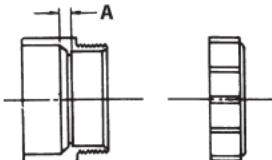
**PART NO. 104****Trap Adapter—Female**NOTE: NOT A MALE ADAPTER.
HUB X SLIP

SIZE	A
1 1/2 x 1 1/4	5/16
1 1/2	3/16

**PART NO. 104P****Trap Adapter—Female, with Washer & Polyethylene Nut**

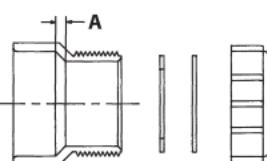
HUB X SLIP

SIZE	A
1 1/2 x 1 1/4	5/16
1 1/2	3/16

**PART NO. 104R****Trap Adapter—Female, with 1 1/2" PVC Nut & Washer & 1 1/2" x 1 1/4" Washer**

HUB X SLIP WITH PVC NUT

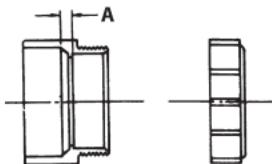
SIZE	A
1 1/2	3/16



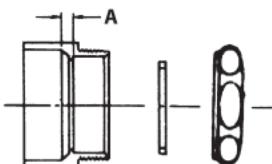
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 104W**Trap Adapter-Female, with Washer & PVC Nut****HUB X SLIP WITH PVC NUT**

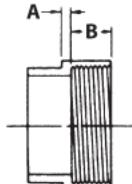
SIZE	A
1 1/4 (ABS)	3/16
1 1/2 x 1 1/4	5/16
1 1/2	3/16

**PART NO. 104X****Trap Adapter-Female, with Washer & Chrome Nut****HUB X SLIP**

SIZE	A
1 1/4 (PVC)	3/16
1 1/2 x 1 1/4 (PVC)	5/16
1 1/2	3/16

**PART NO. 105****Fitting Cleanout Adapter****SPIGOT X FPT**

SIZE	A	B
1 1/4 (PVC)	3/16	3/4
1 1/2 (PVC)	5/32	5/8
1 1/2 (ABS)	3/16	23/32
2 (PVC)	5/32	5/8
2 (ABS)	1/16	27/32
3 (PVC)	7/32	3/4
3 (ABS)	7/32	1 5/32
4 (PVC)	1/4	7/8
4 (ABS)	7/32	19/32
6 (PVC)	5/16	1 7/16
8 (PVC)	3/8	1 1/2
10 ^(F) (PVC)	15/16	2 1/4
12 ^(F) (PVC)	1 1/8	2 7/16



(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

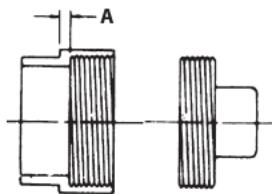
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PART NO. 105X**Fitting Cleanout Adapter with
Cleanout Plug**

SPIGOT X FPT

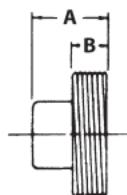
SIZE A

For dimensions see part numbers 105 and 106.

**PART NO. 106****Cleanout Plug**

MPT

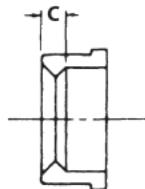
SIZE	A	B
1½	1 3/8	5/8
2 (PVC)	1 3/8	5/8
2½ (ABS)	1 1/2	3/4
3	1 3/4	3/4
4	1 7/8	7/8
6 (PVC)	2	1
6 (ABS)	1 7/8	3 1/32
8 (PVC)	2 3/8	1 3/8
10 (PVC)	2 7/16	1 7/16
12 (PVC)	2 17/32	1 17/32



Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 107**Flush Bushing****SPIGOT X HUB**

SIZE	C
1 1/2 x 1 1/4	3/16
2 x 1 1/4	5/16
2 x 1 1/2 (PVC)	5/16
2 x 1 1/2 (ABS)	1/8
3 x 1 1/2 (PVC)	1
3 x 1 1/2 (ABS)	25/32
3 x 2 (PVC)	7/8
3 x 2 (ABS)	23/32
4 x 2 (PVC)	1 1/8
4 x 2 (ABS)	1 3/16
4 x 3 (PVC)	1/2
4 x 3 (ABS)	1/4
6 x 4 (PVC)	1 3/4
6 x 4 (ABS)	121/32
8 x 4 (PVC)	2 7/8
8 x 6 (PVC)	1 5/8
10 x 4** (PVC)	4 7/16
10 x 6** (PVC)	3 5/32
10 x 8 (PVC)	1 1/2
12 x 4** (PVC)	5 5/32
12 x 6** (PVC)	4 5/32
12 x 8 (PVC)	2 1/2
12 x 10 (PVC)	1 1/2



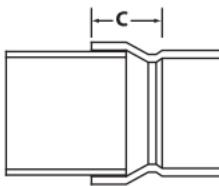
PVC & ABS DWV FITTINGS

** Assembled from two molded components

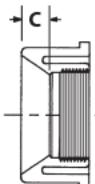
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 107**Concentric Reducer Bushing****SPIGOT X HUB**

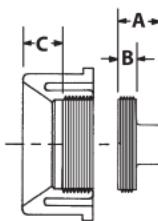
SIZE	C
14 x 4 ^(F) (PVC)	8
14 x 6 ^(F) (PVC)	8 ^{63/64}
14 x 8 ^(F) (PVC)	9 ^{7/16}
14 x 10 ^(F) (PVC)	9 ^{5/8}
14 x 12 ^(F) (PVC)	7 ^{3/8}
16 x 4 ^(F) (PVC)	8 ^{3/4}
16 x 6 ^(F) (PVC)	9 ^{1/4}
16 x 8 ^(F) (PVC)	10 ^{1/4}
16 x 10 ^(F) (PVC)	10 ^{7/8}
16 x 12 ^(F) (PVC)	10 ^{5/8}
16 x 14 ^(F) (PVC)	9 ^{1/4}

**PART NO. PVC 108****Flush Bushing (Cleanout Adapter)****SPIGOT X FPT**

SIZE	C
2 x 1 1/2 (PVC)	5/16
8 x 6 ^(CP) (PVC)	1 5/8
10 x 8 (PVC)	1 1/2
12 x 8 (PVC)	1 13/16

**PART NO. PVC 108X****Flush Bushing (Cleanout Adapter)
with Plug****SPIGOT**

SIZE	A	B	C
10 x 8 (PVC)	For dimensions see part numbers 106 & 108		
12 x 8 (PVC)			



(F) Fabricated

(CP) PVC 108, 8" x 6" is available only as a component part of PVC 444X.

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

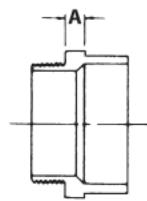
PART NO. 109**Male Adapter**

MPT X HUB

NOTE: NOT A TRAP ADAPTER. WILL NOT ACCEPT A TAIL PIECE.

SEE PART NUMBER 104

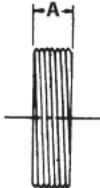
SIZE	A
1 1/4 (PVC)	3/16
1 1/4 x 1 1/2 (PVC)	3/16
1 1/2	3/16
2	3/16
3	3/8
4	3/8



(Octagon shoulders for
tightening purposes.)

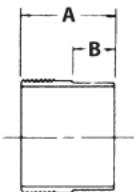
PART NO. 110**Flush Cleanout Plug**

SIZE	A
2 (PVC)	5/8
2 (ABS)	11/16
3 (PVC)	3/4
3 (ABS)	27/32
4 (PVC)	3/4
4 (ABS)	7/8

**PART NO. 111****Male Fitting Adapter**

MPT X SPIGOT

SIZE	A	B
1 1/2	1 13/16	3/4
1 1/2 x 1 1/4 (PVC)	1 11/16	11/16
2 (PVC)	1 15/16	7/8
2 (ABS)	1 7/8	7/8
3 (PVC)	3 1/16	1 1/2

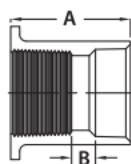


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

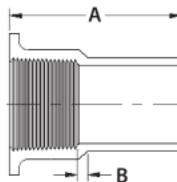
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PART NO. PVC 113**Tray Plug Adapter****HUB**

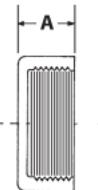
SIZE	A	B
1½(PVC)	2⁹/₁₆	1⁷/₃₂

**PART NO. ABS 113S****Tray Plug Adapter****SPIGOT**

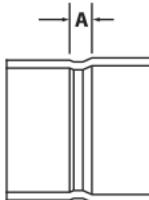
SIZE	A	B
1½(ABS)	3⁵/₁₆	1/₄

**PART NO. ABS 114****Threaded Cap****FPT**

SIZE	A
1½(ABS)	7/₈

**PART NO. PVC 115****Adapter Coupling****SDR 35 HUB X DWV HUB**

SIZE	A
8 ^(F) (PVC)	1 3/4
10 ^(F) (PVC)	3 1/2
10 x 8 ^(F) (PVC)	3 1/2
12 ^(F) (PVC)	1

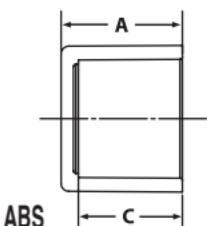
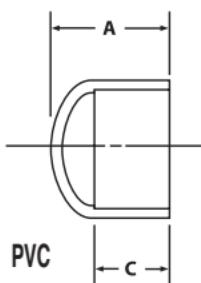


(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

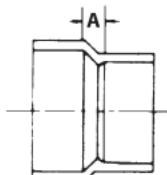
PART NO. 116

SIZE	Cap	
	SOCKET	C
1½ (PVC)	1 ⁵ / ₁₆	1 ⁵ / ₁₆
1½ (ABS)	1 ¹ / ₄	1 ¹ / ₁₆
2 (PVC)	2 ⁵ / ₃₂	1 ³ / ₈
2 (ABS)	1 ³ / ₁₆	3 ¹ / ₃₂
3 (PVC)	2 ¹⁵ / ₁₆	1 ²⁹ / ₃₂
3 (ABS)	2 ³ / ₃₂	1 ²⁷ / ₃₂
4 (PVC)	3 ¹ / ₈	2 ¹ / ₃₂
4 (ABS)	2 ¹¹ / ₃₂	1 ³ / ₄
6 (PVC)	4 ³ / ₈	3 ⁵ / ₈
6 (ABS)	3 ¹⁵ / ₃₂	3 ¹ / ₃₂
8 (PVC)	6 ¹³ / ₃₂	4
10 (PVC)	7 ³ / ₄	5
12 (PVC)	9 ⁷ / ₁₆	6
14 ^(F) (PVC)	5 ¹ / ₂	5 ¹ / ₁₆
16 ^(F) (PVC)	5 ³ / ₄	5 ¹ / ₄

**PART NO. 117****Adapter Coupling**

(Adapts Sewer and Drain Spigot to DWV Spigot)
 HUB X HUB

SIZE	A
3 x 3 (PVC)	1/8
4 x 3	3/4
4 x 4 (PVC)	1/2
4 x 4 (ABS)	3/8



^(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

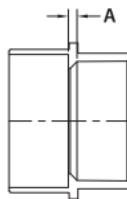
PVC & ABS DWV FITTINGS

PART NO. PVC 117X**Adapter Coupling**

(Adapts Sewer and Drain Spigot to DWV Hub)

HUB X SPG

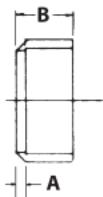
SIZE	A
4 x 3 (PVC)	1/4

**PART NO. 118****Adapter Bushing**

(Adapts DWV Hub to Sewer and Drain Spigot)

DWV SPIGOT X HUB

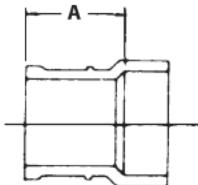
SIZE	A	B
3 (PVC)	1/4	1 3/4
4	1/4	2

**PART NO. 119****No-Hub Adapter**

(Adapts Cast Iron No-Hub Spigot to DWV Spigot)

SPIGOT X HUB

SIZE	A
1 1/2 (PVC)	1 27/32
2 (PVC)	1 23/32
2 (ABS)	1 5/8
2 x 1 1/2 (PVC)	1 11/16
3	1 13/16
4	1 27/32
4 x 3 (PVC)	2 5/32

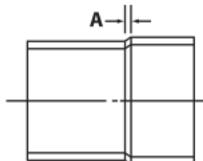


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

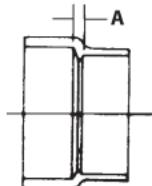
PART NO. PVC 120**Adapter Bushing**

DWV SPIGOT X SDR 35 HUB

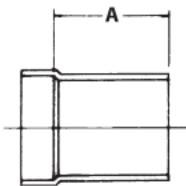
SIZE	A
8 ^(F) (PVC)	5/8
10 ^(F) (PVC)	5/8
12 ^(F) (PVC)	5/8

**PART NO. 122****Spigot Adapter, Cast Iron**(Adapts Cast Iron Spigot to DWV Spigot)
HUB X HUB

SIZE	A
2 x 2	3/8
3 x 3 (PVC)	7/16
4 x 4 (PVC)	1/2
4 x 4 (ABS)	7/16

**PART NO. 123****Hub Adapter, Cast Iron**(Adapts DWV Spigot to Cast Iron Hub)
HUB X SPIGOT

SIZE	A
2 x 2 ^(P)	3 ^{23/32}
3 x 3 ^(P) (PVC)	4 ^{5/64}
4 x 4 ^(P)	4 ^{25/64}



PVC & ABS DWV FITTINGS

(P) Plain End: Joint can be made with compression gasket only.

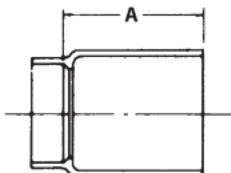
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 123R**Hub Adapter, Cast Iron, Increaser**

(Adapts DWV Spigot to Cast Iron Hub)

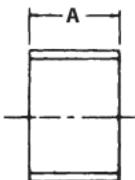
HUB X SPIGOT

SIZE	A
1 1/2 x 2 ^(P) (PVC)	3 1/2
3 x 4 ^(P) (PVC)	4

**PART NO. 130****Repair Coupling**

HUB X HUB

SIZE	A
1 1/2 (PVC)	1 5/8
1 1/2 (ABS)	1 1/2
2 (PVC)	1 1/8
2 (ABS)	1 13/16
3	3 3/16
4 (PVC)	3 3/4
4 (ABS)	3 17/32
6 (PVC)	6 1/4
8 ^(F) (PVC)	8 3/16
10 ^(F) (PVC)	10 3/16
12 ^(F) (PVC)	12 3/16



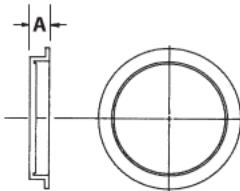
^(P) Plain End: Joint can be made with compression gasket only.

^(F) Fabricated

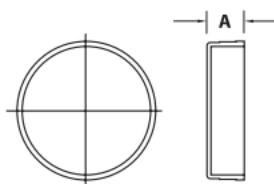
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 131**Test Cap^(C1)**

SIZE	A
1 1/2 (PVC)	9/32
2 (PVC)	9/32
3 (PVC)	5/16
4 (PVC)	3/8

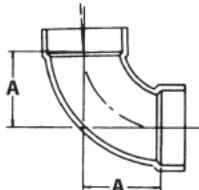
**PART NO. PVC 132****Outside Diameter Test Cap^(C2)**

SIZE	A
1 1/2 (PVC)	9/16
2 (PVC)	9/16
3 (PVC)	9/16
4 (PVC)	9/16

**PART NO. 300****1/4 Bend**

[Sanitary 90° Ell]
ALL HUB

SIZE	A
1 1/4 (PVC)	1 1/16
1 1/2	1 3/4
2 (PVC)	2 5/16
2 (ABS)	2 1/4
3	3 1/16
4	3 7/8
6	5
8 (PVC)	6
10 (PVC)	9 9/32
12 (PVC)	11
14 ^(F) (PVC)	16 3/4
16 ^(F) (PVC)	20 9/16



(C1) Inserts into pipe

(C2) Inserts over pipe

(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

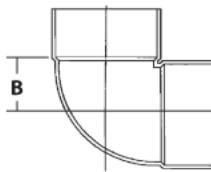
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PART NO. PVC 300A**Short 1/4 Bend^(N)**

[90° EII]

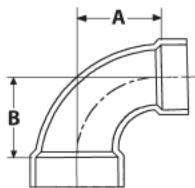
ALL HUB

SIZE	B
8 ^(N) (PVC)	4 $\frac{1}{2}$
10 ^(N) (PVC)	6 $\frac{1}{4}$
12 ^(N) (PVC)	7 $\frac{5}{16}$

**PART NO. 300R****1/4 Bend, Reducing**

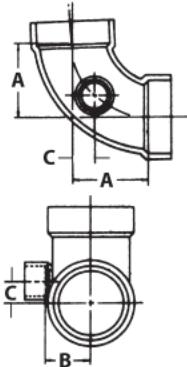
ALL HUB

SIZE	A	B
2 x 1 $\frac{1}{2}$	2 $\frac{7}{16}$	2 $\frac{5}{16}$

**PART NO. 300S****1/4 Bend with Side Inlet**

HUB X HUB

SIZE	A	B	C
3 x 3 x 1 $\frac{1}{2}$ (PVC)	3 $\frac{5}{64}$	1 $\frac{7}{8}$	15/16
3 x 3 x 2	3 $\frac{5}{64}$	1 $\frac{7}{8}$	15/16

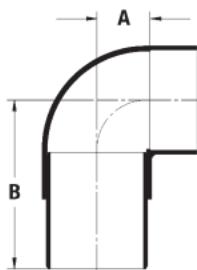
^(N) Not a sanitary pattern

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 301
Vent 1/4 Bend, Street

HUB X SPIGOT

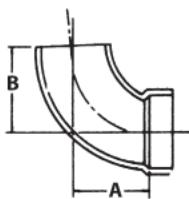
SIZE	A	B
8 ^(F) (PVC)	4 1/2	13 1/2
10 ^(F) (PVC)	6 1/4	18 3/4
12 ^(F) (PVC)	7 5/16	18 13/16


PART NO. 302
1/4 Bend, Street

(Sanitary 90° Street Ell)

SPIGOT X HUB

SIZE	A	B
1 1/4 (PVC)	1 5/8	2 5/16
1 1/2	1 3/4	2 1/2
2	2 5/16	3 3/16
3	3 1/16	4 9/16
4	3 7/8	5 5/8
6 (PVC)	5 3/16	8 1/8
8 (PVC)	6 1/8	10
10 ^(F) (PVC)	14 7/16	19 3/4
12 ^(F) (PVC)	16 3/8	19
14 ^(F) (PVC)	16 1/4	23 9/16
16 ^(F) (PVC)	19 7/8	23 13/16



PVC & ABS DWV FITTINGS

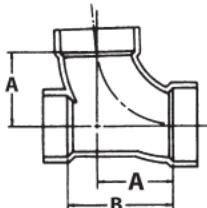
(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 303**1/4 Bend, with Low Heel Inlet**

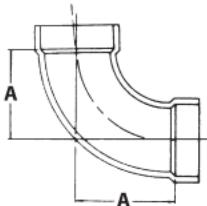
ALL HUB

SIZE	A	B
3 x 3 x 1 1/2 (PVC)	3 1/16	4 3/16
3 x 3 x 1 1/2 (ABS)	3 1/16	4 1/8
3 x 3 x 2	3 1/16	4 7/16
4 x 4 x 2	3 7/8	5 7/16

**PART NO. 304****Long Sweep 1/4 Bend**

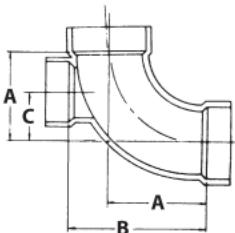
HUB X HUB

SIZE	A
1 1/2	2 3/4
2	3 1/4
3 (PVC)	4 1/16
3 (ABS)	4
4	4 15/16
6 (PVC)	9

**PART NO. PVC 305****Long Sweep 1/4 Bend
with High Heel Inlet**

ALL HUB

SIZE	A	B	C
3 x 3 x 2 (PVC)	4 1/16	5 5/8	2 1/4

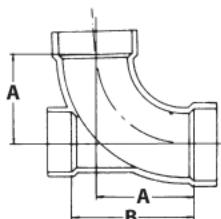


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 307

Long Sweep 1/4 Bend
with Low Heel Inlet

SIZE	ALL HUB	
	A	B
3 x 3 x 1½ (ABS)	4	4 ¹⁹ / ₃₂
3 x 3 x 2 (PVC)	4 ¹ / ₁₆	4 ¹⁵ / ₁₆
3 x 3 x 2 (ABS)	3 ¹⁵ / ₁₆	4 ¹³ / ₁₆

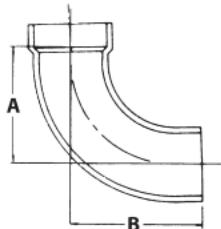


PART NO. 309

Long Sweep 1/4 Bend, Street

HUB X SPIGOT

SIZE	A	B
1½ (PVC)	2 ³ / ₄	3 ¹⁹ / ₃₂
1½ (ABS)	2 ²⁵ / ₃₂	3 ¹⁵ / ₃₂
2	3 ¹ / ₄	4 ¹ / ₈
3	4 ⁵ / ₃₂	5 ⁹ / ₁₆
4 (PVC)	4 ¹⁵ / ₁₆	6 ¹¹ / ₁₆

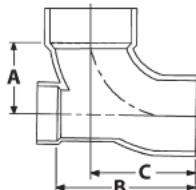


PART NO. 310

1/4 Bend, Street
with Low Heel Inlet

HUB X SPIGOT X HUB

SIZE	A	B	C
3 x 3 x 2	3 ¹ / ₁₆	5 ¹⁵ / ₁₆	4 ⁹ / ₁₆



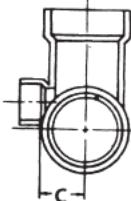
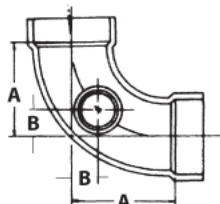
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

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PART NO. PVC 311

Long Sweep 1/4 Bend,
with Side Inlet

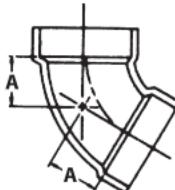
SIZE	A	B	C
3 x 3 x 2 (PVC)	4 $\frac{1}{16}$	1 $\frac{3}{8}$	1 $\frac{3}{4}$



PART NO. 319

1/6 Bend
(60° EII)
HUB X HUB

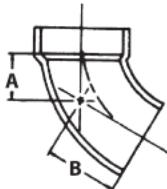
SIZE	A
1 $\frac{1}{2}$	1
2 (PVC)	1 $\frac{5}{16}$
2 (ABS)	1 $\frac{1}{4}$
3	1 $\frac{11}{16}$
4 (PVC)	2 $\frac{1}{16}$
4 (ABS)	2



PART NO. 320

1/6 Bend, Street
(60° Street EII)
HUB X SPIGOT

SIZE	A	B
1 $\frac{1}{2}$	1	1 $\frac{3}{4}$
2	1 $\frac{5}{16}$	2 $\frac{3}{16}$
3	1 $\frac{11}{16}$	3 $\frac{3}{16}$
4 (PVC)	2 $\frac{1}{16}$	3 $\frac{13}{16}$



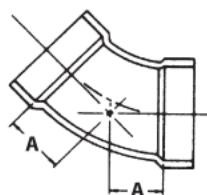
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 321

1/8 Bend

[45° Ell]
HUB X HUB

SIZE	A
1 1/4 (PVC)	1
1 1/2	1 1/8
2	1 1/2
3	1 3/4
4	2 3/16
6	2 1/16
8 (PVC)	2 1/16
10 (PVC)	3 1/8
12 (PVC)	3 31/64
14 ^(F) (PVC)	8 1/4
16 ^(F) (PVC)	10 5/16

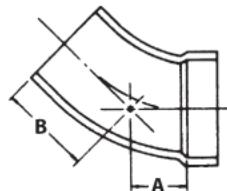


PART NO. 323

1/8 Bend, Street

[45° Street Ell]
SPIGOT X HUB

SIZE	A	B
1 1/4 (PVC)	1	1 3/4
1 1/2 (PVC)	1 1/8	1 7/8
1 1/2 (ABS)	1 1/16	1 7/8
2 (PVC)	1 1/2	2 3/8
2 (ABS)	1 15/32	2 1/8
3	1 3/4	3 1/4
4	2 3/16	3 15/16
6 (PVC)	2 1/16	5 5/64
6 (ABS)	2 1/16	5
8 (PVC)	2	6 3/32
10 (PVC)	3 1/8	8 5/32
12 (PVC)	3 31/64	9 1/2
14 ^(F) (PVC)	9 3/8	15 9/16
16 ^(F) (PVC)	10 5/16	18 1/2


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(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

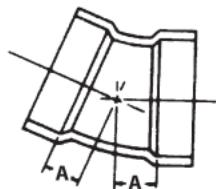
PART NO. 324

1/16 Bend

(22½° Ell)

HUB X HUB

SIZE	A
1½	½
2 (PVC)	1½
2 (ABS)	½
3	1¾
4	1
6	1½
8 (PVC)	1½
10 (PVC)	2
12 (PVC)	2
14 ^(F) (PVC)	5¼
16 ^(F) (PVC)	5⅓



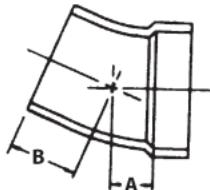
PART NO. 326

1/16 Bend, Street

(22½° Street Ell)

SPIGOT X HUB

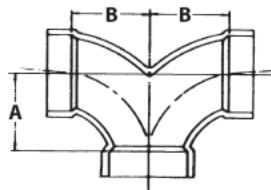
SIZE	A	B
1½	½	1¼
2	1½	1½
3	1¾	2⅓
4	1	2¾
6 (PVC)	1½	5⅓
8 ^(F) (PVC)	6⅓	10⅕
10 ^(F) (PVC)	5⅓	11⅓
12 ^(F) (PVC)	5½	14⅓
14 ^(F) (PVC)	6⅓	13⅓
16 ^(F) (PVC)	8⅓	16⅓

^(F) Fabricated

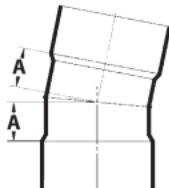
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 327**Double 1/4 Bend****ALL HUB**

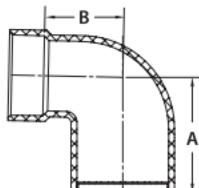
SIZE	A	B
1 1/2	1 3/4	1 3/4
2 (PVC)	2 5/16	2 5/16
2 (ABS)	2 1/4	2 5/16
3 (PVC)	3 1/16	3 1/16
3 (ABS)	3	3
2 x 1 1/2 x 1 1/2 (PVC)	1 15/16	2 3/16
2 x 1 1/2 x 1 1/2 (ABS)	2 29/32	2

**PART NO. PVC 328****1/32 Bend****HUB X HUB**

SIZE	A
8 ^(F) (PVC)	5 1/8
10 ^(F) (PVC)	5 7/8
12 ^(F) (PVC)	5 11/16

**PART NO. ABS 328X****Closet Bend, Reducing, Short with Test Cap****HUB X SPG**

SIZE	A	B
3 x 4 (ABS)	5 1/16	3 11/32



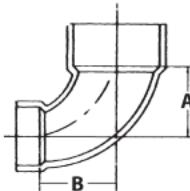
(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

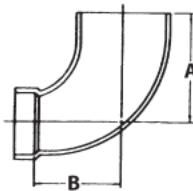
PVC & ABS DWV FITTINGS

PART NO. 329**Closet Bend, Reducing**HUB X HUB

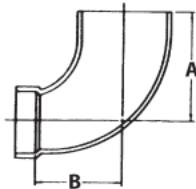
SIZE	A	B
3 x 4 (PVC)	3	3 ³ / ₈
3 x 4 (ABS)	3 ³ / ₃₂	3 ⁷ / ₁₆

**PART NO. 330****Closet Bend, Reducing**HUB X SPIGOT

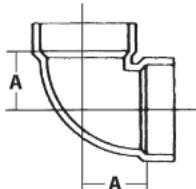
SIZE	A	B
3 x 4 (PVC)	6	3 ⁵ / ₈
3 x 4 (ABS)	6	3 ¹³ / ₃₂

**PART NO. ABS 330X****Closet Bend, Reducing
with Test Cap**HUB X SPIGOT

SIZE	A	B
3 x 4 (ABS)	6	5

**PART NO. 331****Vent Ell****[90° Short Turn Ell]**HUB X HUB

SIZE	A
1 ¹ / ₂	1 ³ / ₁₆
2	1 ¹ / ₂
3	1 ¹ / ₈

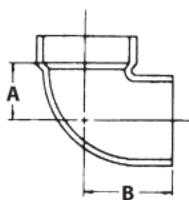


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 333

Vent Ell, Street
 (90° Short Turn Street Ell)
 HUB X SPIGOT

SIZE	A	B
1½ (PVC)	1 7/32	1 15/16
1½ (ABS)	1 3/16	1 15/16
2	1 1/2	2 3/8
3 (PVC)	1 7/8	3 1/2

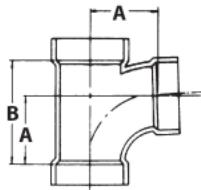


PART NO. 400

Sanitary Tee

ALL HUB

SIZE	A	B
1 1/4 (PVC)	1 9/16	2 5/16
1 1/2 (PVC)	1 3/4	2 3/4
1 1/2 (ABS)	1 23/32	2 21/32
2 (PVC)	2 5/16	3 11/16
2 (ABS)	2 5/16	3 19/32
3 (PVC)	3 1/16	4 7/8
3 (ABS)	3 13/32	4 13/16
4	3 7/8	6 1/8
6	5	8 1/2
8 (PVC)	6	10 1/2
10 ^(F) (PVC)	16 13/32	16 1/2
12 ^(F) (PVC)	19 1/8	19 1/2

^(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

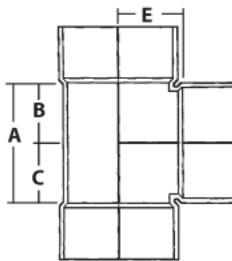
PVC & ABS DWV FITTINGS

PART NO. PVC 400A

Straight Tee ^(N)

ALL HUB

SIZE	A	B	C	E
8 ^(N) (PVC)	9	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
10 ^(N) (PVC)	12 $\frac{1}{2}$	6 $\frac{1}{4}$	6 $\frac{1}{4}$	6 $\frac{5}{16}$
12 ^(N) (PVC)	14 $\frac{7}{16}$	7 $\frac{7}{32}$	7 $\frac{7}{32}$	7 $\frac{1}{4}$
14 ^{(N)(F)} (PVC)	21	10 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{5}{8}$
16 ^{(N)(F)} (PVC)	23 $\frac{7}{8}$	11 $\frac{15}{16}$	11 $\frac{15}{16}$	14 $\frac{3}{16}$

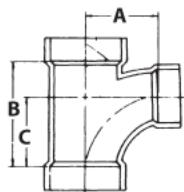


PART NO. 401

Sanitary Tee, Reducing

ALL HUB

SIZE	A	B	C
2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (PVC)	2 $\frac{3}{16}$	3 $\frac{1}{8}$	1 $\frac{15}{16}$
2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (ABS)	2 $\frac{5}{32}$	3 $\frac{1}{16}$	1 $\frac{29}{32}$
2 x 1 $\frac{1}{2}$ x 2 (PVC)	2 $\frac{5}{16}$	3 $\frac{11}{16}$	2 $\frac{5}{16}$
2 x 1 $\frac{1}{2}$ x 2 (ABS)	2 $\frac{9}{32}$	3 $\frac{19}{32}$	2 $\frac{1}{4}$
2 x 2 x 1 $\frac{1}{2}$	2 $\frac{3}{16}$	3 $\frac{1}{8}$	1 $\frac{15}{16}$
3 x 3 x 1 $\frac{1}{2}$ (PVC)	2 $\frac{9}{16}$	2 $\frac{11}{16}$	1 $\frac{3}{4}$
3 x 3 x 1 $\frac{1}{2}$ (ABS)	2 $\frac{1}{2}$	2 $\frac{5}{8}$	1 $\frac{23}{32}$
3 x 3 x 2 (PVC)	2 $\frac{7}{8}$	3 $\frac{5}{16}$	2 $\frac{1}{8}$
3 x 3 x 2 (ABS)	2 $\frac{7}{8}$	3 $\frac{1}{4}$	2 $\frac{1}{32}$
4 x 4 x 1 $\frac{1}{2}$ (PVC)	3 $\frac{1}{4}$	3 $\frac{1}{16}$	2
4 x 4 x 2	3 $\frac{5}{16}$	3 $\frac{3}{16}$	2 $\frac{1}{16}$
4 x 4 x 3 (PVC)	3 $\frac{9}{16}$	4 $\frac{3}{4}$	3
4 x 4 x 3 (ABS)	3 $\frac{17}{32}$	4 $\frac{21}{32}$	2 $\frac{31}{32}$
6 x 6 x 4 (PVC)	4 $\frac{27}{32}$	6 $\frac{3}{64}$	3 $\frac{25}{32}$
6 x 6 x 4 (ABS)	4 $\frac{9}{32}$	5 $\frac{25}{32}$	3 $\frac{19}{32}$
8 x 8 x 4** (PVC)	9 $\frac{1}{8}$	10 $\frac{7}{16}$	6
8 x 8 x 6** (PVC)	7 $\frac{3}{4}$	10 $\frac{31}{64}$	6 $\frac{3}{64}$

^(F) Fabricated^(N) Not a sanitary pattern

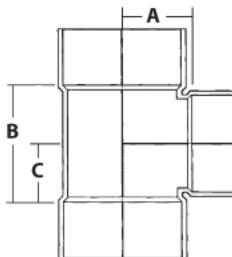
** Assembled from two molded components

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 401A**Straight Tee, Reducing ^(N)**

ALL HUB

SIZE	A	B	C
8 x 8 x 4 ^{(N)**} (PVC)	7 ⁷ / ₈	10 ¹ / ₂	5 ¹ / ₄
8 x 8 x 6 ^{(N)**} (PVC)	6 ⁷ / ₈	10 ¹ / ₂	5 ¹ / ₄
10 x 10 x 4 ^{(N)**} (PVC)	9 ¹ / ₄	10 ³ / ₈	5 ³ / ₁₆
10 x 10 x 6 ^{(N)**} (PVC)	8	10 ³ / ₈	5 ³ / ₁₆
10 x 10 x 8 ^(N) (PVC)	6 ¹¹ / ₃₂	10 ³ / ₈	5 ³ / ₁₆
12 x 12 x 4 ^{(N)***} (PVC)	9 ²⁷ / ₃₂	10 ¹ / ₄	5 ¹ / ₈
12 x 12 x 6 ^{(N)**} (PVC)	8 ²⁹ / ₃₂	10 ¹ / ₄	5 ¹ / ₈
12 x 12 x 8 ^(N) (PVC)	7 ⁵ / ₃₂	10 ¹ / ₄	5 ¹ / ₈
12 x 12 x 10 ^(N) (PVC)	7 ³ / ₁₆	12 ⁷ / ₁₆	6 ⁷ / ₃₂
14 x 14 x 4 ^{(N)(F)} (PVC)	10 ¹¹ / ₁₆	10	5
14 x 14 x 6 ^{(N)(F)} (PVC)	11 ¹ / ₄	12	6
14 x 14 x 8 ^{(N)(F)} (PVC)	11 ⁵ / ₈	15	7 ¹ / ₂
14 x 14 x 10 ^{(N)(F)} (PVC)	12	17	8 ¹ / ₂
14 x 14 x 12 ^{(N)(F)} (PVC)	12 ³ / ₈	19	9 ¹ / ₂
16 x 16 x 4 ^{(N)(F)} (PVC)	12 ¹⁵ / ₁₆	10 ³ / ₈	5 ³ / ₁₆
16 x 16 x 6 ^{(N)(F)} (PVC)	12 ¹ / ₄	14	7
16 x 16 x 8 ^{(N)(F)} (PVC)	12 ⁵ / ₈	16	8
16 x 16 x 10 ^{(N)(F)} (PVC)	13	18	9
16 x 16 x 12 ^{(N)(F)} (PVC)	13 ⁷ / ₁₆	19 ³ / ₄	9 ⁷ / ₈
16 x 16 x 14 ^{(N)(F)} (PVC)	13 ¹⁵ / ₁₆	23	11 ¹ / ₂



(F) Fabricated

(N) Not a sanitary pattern

** Assembled from two molded components

*** Assembled from three molded components

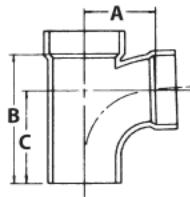
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PVC & ABS DWV FITTINGS

PART NO. 403**Sanitary Tee, Street**

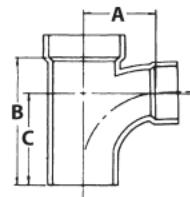
SPIGOT X HUB X HUB

SIZE	A	B	C
1½ (PVC)	1¾	3½	2½
1½ (ABS)	1²³/₃₂	3¹⁹/₃₂	2¹⁵/₃₂
2 (PVC)	2⁵/₁₆	4⁹/₁₆	3⁷/₃₂
2 (ABS)	2⁵/₁₆	4¹⁵/₃₂	3¹/₈
3	3	6⁹/₈	4⁹/₁₆
4	3⁷/₈	7⁷/₈	5⁵/₈

**PART NO. 404****Sanitary Tee, Street Reducing**

SPIGOT X HUB X HUB

SIZE	A	B	C
2 x 1½ x 1½ (PVC)	2⁵/₃₂	4	2²⁷/₃₂
2 x 1½ x 1½ (ABS)	2³/₁₆	4	2³/₄
2 x 1½ x 2 (ABS)	2⁵/₁₆	4¹⁷/₃₂	3¹/₈
2 x 2 x 1½ (PVC)	2¹/₈	4	2⁷/₈
2 x 2 x 1½ (ABS)	2⁵/₃₂	3¹⁵/₁₆	2⁷/₈
3 x 3 x 1½	2⁹/₁₆	4³/₁₆	3¹/₄
3 x 3 x 2	2⁷/₈	4³/₄	3⁵/₈
4 x 4 x 2 (PVC)	3⁵/₁₆	4¹⁵/₁₆	3¹³/₁₆



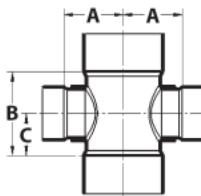
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 410

Tee Cross

ALL HUB

SIZE	A	B	C
6 x 6 x 4 x 4 ^(F) (PVC)	5 ¹¹ / ₁₆	9 ¹ / ₄	4 ⁵ / ₈
6 x 6 x 6 x 6 ^(F) (PVC)	6 ¹ / ₈	10 ³ / ₄	5 ³ / ₈
8 x 8 x 4 x 4 ^(F) (PVC)	6 ⁵ / ₁₆	8 ⁷ / ₈	4 ⁷ / ₁₆
8 x 8 x 6 x 6 ^(F) (PVC)	7 ⁷ / ₃₂	10 ⁷ / ₈	5 ⁷ / ₁₆
8 x 8 x 8 x 8 ^(F) (PVC)	8 ⁵ / ₁₆	13 ¹ / ₈	6 ⁹ / ₁₆
10 x 10 x 4 x 4 ^(F) (PVC)	7 ³ / ₄	12	6
10 x 10 x 6 x 6 ^(F) (PVC)	8 ¹ / ₂	11 ¹ / ₂	5 ³ / ₄
10 x 10 x 8 x 8 ^(F) (PVC)	8 ⁷ / ₈	13 ¹ / ₂	6 ³ / ₄
10 x 10 x 10 x 10 ^(F) (PVC)	8	18 ³ / ₈	9 ³ / ₁₆
12 x 12 x 4 x 4 ^(F) (PVC)	8 ⁷ / ₈	10	5
12 x 12 x 6 x 6 ^(F) (PVC)	9 ³ / ₄	12	6
12 x 12 x 8 x 8 ^(F) (PVC)	9 ⁷ / ₈	15 ³ / ₄	7 ⁷ / ₈
12 x 12 x 10 x 10 ^(F) (PVC)	10 ¹ / ₄	16	8
12 x 12 x 12 x 12 ^(F) (PVC)	9 ¹ / ₈	21	10 ¹ / ₂

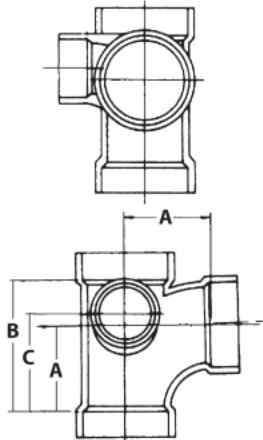


PART NO. 416

Sanitary Tee with Left Side Inlet

ALL HUB

SIZE	A	B	C
3 x 3 x 3 x 1 ¹ / ₂	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
3 x 3 x 3 x 2 (PVC)	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
3 x 3 x 3 x 2 (ABS)	3 ¹³ / ₃₂	4 ¹³ / ₁₆	3 ²³ / ₃₂
4 x 4 x 4 x 2 (PVC)	3 ⁷ / ₈	6 ¹ / ₈	5

^(F) Fabricated

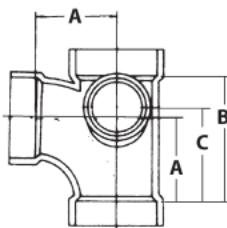
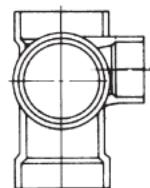
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PVC & ABS DWV FITTINGS

PART NO. 417**Sanitary Tee with Right Side Inlet**

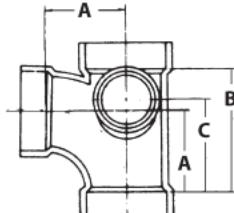
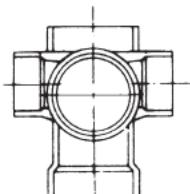
ALL HUB

SIZE	A	B	C
3 x 3 x 3 x 1 1/2	3 1/16	4 7/8	3 1/16
3 x 3 x 3 x 2 (PVC)	3 1/16	4 7/8	3 1/16
3 x 3 x 3 x 2 (ABS)	3 1/32	4 27/32	3 5/8
4 x 4 x 4 x 2 (PVC)	3 7/8	6 1/8	5

**PART NO. 418****Sanitary Tee with Left & Right Side Inlets**

ALL HUB

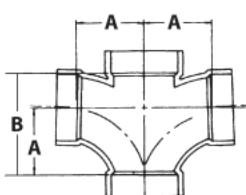
SIZE	A	B	C
3 x 3 x 3 x 2 x 2	3 1/16	4 7/8	3 1/16
4 x 4 x 4 x 2 x 2 (PVC)	3 7/8	6 1/8	5

**PART NO. 428****Double Sanitary Tee**

(Sanitary Cross)

ALL HUB

SIZE	A	B
1 1/2 (PVC)	1 3/4	2 3/4
1 1/2 (ABS)	1 29/32	2 5/8
2 (PVC)	2 5/16	3 11/16
2 (ABS)	2 5/16	3 9/16
3	3 1/16	4 7/8
4 (PVC)	3 7/8	6 1/8
4 (ABS)	3 27/32	6 1/32



Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

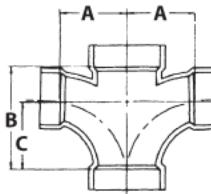
PART NO. 429

Double Sanitary Tee, Reducing

(Sanitary Cross)

ALL HUB

SIZE	A	B	C
2 x 2 x 1 1/2 x 1 1/2 (PVC)	2 3/16	3 1/8	1 15/16
2 x 2 x 1 1/2 x 1 1/2 (ABS)	2 5/32	3 5/32	2
3 x 3 x 1 1/2 x 1 1/2 (PVC)	2 9/16	2 11/16	1 3/4
3 x 3 x 1 1/2 x 1 1/2 (ABS)	2 1/2	2 19/32	1 5/8
3 x 3 x 2 x 2 (PVC)	2 7/8	3 5/16	2 1/8
3 x 3 x 2 x 2 (ABS)	2 29/32	3 7/32	2 5/32
4 x 4 x 2 x 2 (PVC)	3 5/16	3 5/16	2 1/16
4 x 4 x 2 x 2 (ABS)	3 9/32	3 1/8	2
4 x 4 x 3 x 3 (PVC)	3 9/16	4 3/4	3
4 x 4 x 3 x 3 (ABS)	3 5/8	4 21/32	2 31/32



PART NO. PVC 431

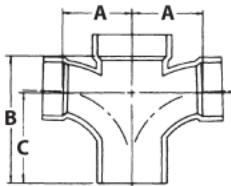
Double Sanitary Tee

Street, Reducing

(Sanitary Cross)

SPIGOT X HUB X HUB X HUB

SIZE	A	B	C
3 x 3 x 1 1/2 x 1 1/2 (PVC)	2 9/16	4 3/16	3 1/4


 PVC
 &
 ABS
 DWV
 FITTINGS

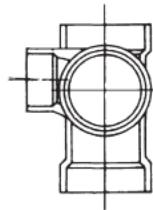
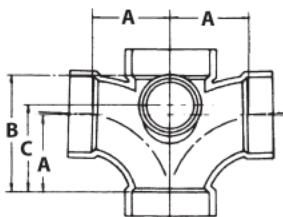
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 438
Double Sanitary Tee with Side Inlet

(Sanitary Cross)

ALL HUB

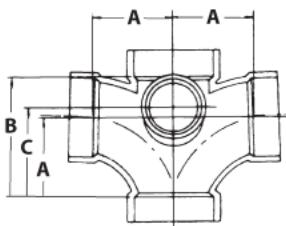
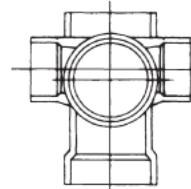
SIZE	A	B	C
3 x 3 x 3 x 3 x 2 (PVC)	3 $\frac{1}{16}$	4 $\frac{7}{8}$	3 $\frac{11}{16}$
4 x 4 x 4 x 4 x 2 (PVC)	3 $\frac{7}{8}$	6 $\frac{1}{8}$	5


PART NO. PVC 439
**Double Sanitary Tee
with Left & Right Side Inlets**

(Sanitary Cross)

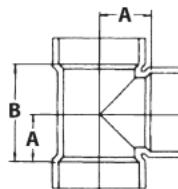
ALL HUB

SIZE	A	B	C
3 x 3 x 3 x 3 x 2 (PVC)	3 $\frac{1}{16}$	4 $\frac{7}{8}$	3 $\frac{11}{16}$
4 x 4 x 4 x 4 x 2 (PVC)	3 $\frac{7}{8}$	6 $\frac{1}{8}$	5


PART NO. 441
Vent Tee

ALL HUB

SIZE	A	B
1 $\frac{1}{2}$ (PVC)	1 $\frac{3}{16}$	2 $\frac{3}{8}$
1 $\frac{1}{2}$ (ABS)	1 $\frac{7}{32}$	2 $\frac{13}{32}$
2	1 $\frac{1}{2}$	3
3 (PVC)	1 $\frac{7}{8}$	3 $\frac{3}{4}$
3 (ABS)	1 $\frac{15}{16}$	3 $\frac{3}{4}$
4 (PVC)	2 $\frac{1}{2}$	5

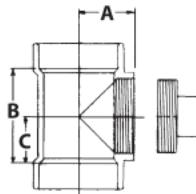


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 444X
Cleanout Tee with Cleanout Plug

HUB X HUB X FPT

SIZE	A	B	C
1½	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ³ / ₁₆
2	2 ¹ / ₄	3	1 ¹ / ₂
3	2 ¹¹ / ₁₆	3 ⁷ / ₈	1 ¹⁵ / ₁₆
4	3 ³ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆
6 (PVC)	4	8	4
6 x 6 x 4** (PVC)	8	8	4
8 (PVC)	5 ¹ / ₄	10 ¹ / ₂	5 ⁵ / ₃₂
8 x 8 x 4 ^(F) (PVC)	7 ³ / ₄	9 ¹ / ₄	4 ⁵ / ₈
8 x 8 x 6*** (PVC)	8 ¹ / ₄	11 ¹ / ₄	5 ⁵ / ₈
10 (PVC)	12 ³ / ₄	12 ¹ / ₂	6 ¹ / ₄
10 x 10 x 4 ^(F) (PVC)	8 ⁷ / ₈	9 ³ / ₄	4 ⁷ / ₈
10 x 10 x 6 ^(F) (PVC)	10 ⁵ / ₈	11 ³ / ₄	5 ⁷ / ₈
10 x 10 x 8 (PVC)	10 ³ / ₈	10 ³ / ₈	5 ³ / ₁₆
12 (PVC)	13 ³ / ₈	14 ¹ / ₂	7 ¹ / ₄
12 x 12 x 4 ^(F) (PVC)	9 ¹¹ / ₁₆	10	5
12 x 12 x 6** (PVC)	9 ⁵ / ₁₆	12 ¹ / ₈	6 ¹ / ₁₆
12 x 12 x 8 (PVC)	11 ⁵ / ₃₂	10 ¹ / ₄	6 ¹ / ₃₂
12 x 12 x 10 ^(F) (PVC)	13 ⁵ / ₁₆	12 ¹ / ₂	6 ¹ / ₄


 See Part No. 106
 for plug dimensions.

^(F) Fabricated

** Assembled from two molded components

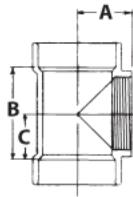
*** Assembled from three molded components

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

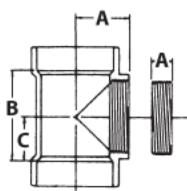
PVC & ABS DWV FITTINGS

PART NO. 445**Cleanout Tee****HUB X HUB X FPT**

SIZE	A	B	C
1½ (PVC)	1 ⁵ / ₁₆	2 ³ / ₈	1 ³ / ₁₆
1½ (ABS)	1 ³ / ₃₂	2 ¹ / ₂	1 ¹ / ₄
2	2 ¹ / ₄	3	1 ¹ / ₂
3 (PVC)	2 ¹¹ / ₁₆	3 ⁷ / ₈	1 ⁵ / ₁₆
3 (ABS)	2 ¹¹ / ₁₆	3 ¹³ / ₁₆	1 ⁵ / ₁₆
4 (PVC)	3 ³ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆
4 (ABS)	3 ³ / ₈	5	2 ¹ / ₂
6 (PVC)	4	8	4
8 (PVC)	5 ¹ / ₄	10 ¹ / ₂	5 ⁵ / ₃₂
8 x 8 x 4 ^(F) (PVC)	7 ³ / ₄	9 ¹ / ₄	4 ⁵ / ₈
8 x 8 x 6 ^(F) (PVC)	8 ¹ / ₄	11 ¹ / ₄	5 ⁵ / ₈
10 (PVC)	8 ¹ / ₄	12 ¹ / ₂	6 ¹ / ₄
10 x 10 x 4 ^(F) (PVC)	8 ¹¹ / ₁₆	11 ³ / ₄	5 ⁷ / ₈
10 x 10 x 6 ^(F) (PVC)	10 ⁵ / ₈	11 ³ / ₄	5 ⁷ / ₈
10 x 10 x 8 (PVC)	10 ³ / ₈	10 ³ / ₈	5 ³ / ₁₆
12 (PVC)	9 ¹ / ₄	14 ³ / ₈	7 ³ / ₁₆
12 x 12 x 4 ^(F) (PVC)	9 ¹¹ / ₁₆	10	5
12 x 12 x 6 ^(F) (PVC)	9 ⁵ / ₁₆	12 ¹ / ₈	6 ¹ / ₁₆
12 x 12 x 8 (PVC)	11 ⁵ / ₃₂	10 ¹ / ₄	6 ¹ / ₃₂
12 x 12 x 10 ^(F) (PVC)	13 ⁵ / ₁₆	12 ¹ / ₂	6 ¹ / ₄

**PART NO. 445X****Flush Cleanout Tee with Cleanout Plug**

For dimensions see Part Numbers 445 and 110.

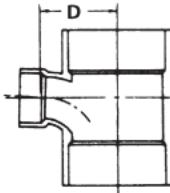
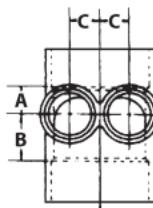
^(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 447**Horizontal Twin Tee**

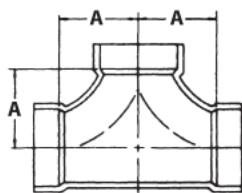
ALL HUB

SIZE	A	B	C	D
3 x 3 x 1 1/2 x 1 1/2 (PVC)	7/8	1 3/4	1 3/32	2 9/16

**PART NO. 448****Two-Way Cleanout**

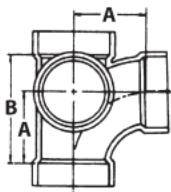
ALL HUB

SIZE	A
3	4 1/16
4	4 15/16

**PART NO. PVC 449****Sanitary Tee with 2" Left Hand
Sanitary Inlet on Center**

ALL HUB

SIZE	A	B
2 (PVC)	2 5/16	3 1/16



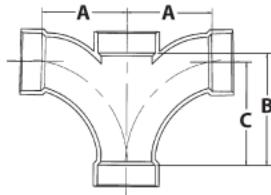
PVC & ABS DWV FITTINGS

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 500**Double Fixture Fitting**

ALL HUB

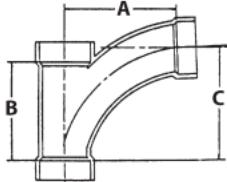
SIZE	A	B	C
2 (PVC)	3 $\frac{1}{2}$	4 $\frac{5}{8}$	4 $\frac{1}{4}$
2 (ABS)	3 $\frac{15}{32}$	4 $\frac{17}{32}$	4 $\frac{7}{32}$
2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (PVC)	2 $\frac{7}{8}$	3 $\frac{1}{2}$	3 $\frac{1}{8}$
2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (ABS)	2 $\frac{27}{32}$	3 $\frac{9}{16}$	3 $\frac{3}{32}$
2 x 1 $\frac{1}{2}$ x 2 x 2 (ABS)	3 $\frac{15}{32}$	4 $\frac{17}{32}$	4 $\frac{7}{32}$
2 x 2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (PVC)	2 $\frac{7}{8}$	3 $\frac{1}{2}$	3 $\frac{1}{8}$
2 x 2 x 1 $\frac{1}{2}$ x 1 $\frac{1}{2}$ (ABS)	2 $\frac{27}{32}$	3 $\frac{13}{32}$	3 $\frac{1}{16}$
3 (PVC)	4 $\frac{15}{16}$	6 $\frac{3}{4}$	6 $\frac{1}{4}$
3 (ABS)	4 $\frac{7}{8}$	6 $\frac{5}{8}$	6 $\frac{1}{8}$
3 x 2 x 3 x 3 (ABS)	4 $\frac{7}{8}$	6 $\frac{5}{8}$	6 $\frac{1}{4}$

**PART NO. 501****Combination Wye & 1/8 Bend**

(One Piece)

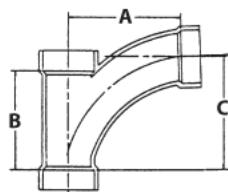
ALL HUB

SIZE	A	B	C
1 $\frac{1}{2}$ (PVC)	3 $\frac{15}{16}$	3 $\frac{1}{2}$	3 $\frac{15}{16}$
1 $\frac{1}{2}$ (ABS)	3 $\frac{7}{8}$	3 $\frac{1}{2}$	3 $\frac{13}{16}$
2 (PVC)	5 $\frac{1}{8}$	4 $\frac{7}{16}$	5 $\frac{1}{8}$
2 (ABS)	5 $\frac{5}{32}$	4 $\frac{7}{16}$	5
3 (PVC)	7 $\frac{9}{16}$	6 $\frac{1}{2}$	7 $\frac{9}{16}$
3 (ABS)	7 $\frac{17}{32}$	6 $\frac{15}{32}$	7 $\frac{7}{16}$
4 (PVC)	10	8 $\frac{1}{2}$	10
4 (ABS)	9 $\frac{31}{32}$	8 $\frac{15}{32}$	9 $\frac{27}{32}$



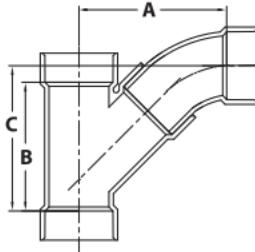
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 502

Combination Wye & 1/8 Bend,
Reducing
(One Piece)
ALL HUB

SIZE	A	B	C
2 x 1 1/2 x 1 1/2 (PVC)	4 3/16	3 1/2	3 15/16
2 x 1 1/2 x 1 1/2 (ABS)	4 1/8	3 17/32	3 3/4
2 x 2 x 1 1/2 (PVC)	4 3/16	3 1/2	3 15/16
2 x 2 x 1 1/2 (ABS)	4 1/8	3 7/16	3 7/8
3 x 3 x 1 1/2	4 3/4	3 1/2	3 15/16
3 x 3 x 2	5 1/16	4 7/16	5 1/8
4 x 4 x 2	6 1/8	4 1/2	5 1/8
4 x 4 x 3 (PVC)	8 1/16	6 1/2	7 9/16
4 x 4 x 3 (ABS)	7 29/32	6 13/32	7 5/16

PART NO. PVC 503

Combination Wye & 1/8 Bend
(Two Pieces)
ALL HUB

SIZE	A	B	C
6**§ (PVC)	11 15/32	10 1/8	11 9/64
8**§ (PVC)	14 19/32	14 1/8	14 23/32
10**§ (PVC)	18 1/2	16 1/2	18 1/4
12**§ (PVC)	21 1/2	19 1/2	21 1/2
14(F)∞ (PVC)	36 7/8	32 1/2	37 3/16
16(F)∞ (PVC)	39 1/2	35 1/2	39 13/16

§ F Fabricated

** Assembled from two molded components

§ Fitting shipped with any required bushing(s) installed, street bend strapped to fitting; assembled from molded components.

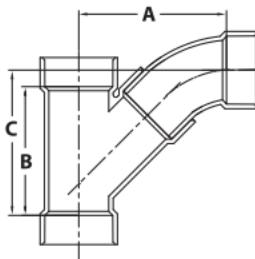
∞ Fitting shipped with street bend strapped to fitting.

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

P
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PART NO. PVC 504
**Combination Wye & 1/8 Bend,
Reducing
(Two Pieces)
ALL HUB**

SIZE	A	B	C
6 x 6 x 3 [§] (PVC)	9 ³ / ₈	7 ¹ / ₁₆	7 ¹⁹ / ₃₂
6 x 6 x 4 ⁽¹⁾ (PVC)	8 ⁷ / ₈	8 ⁷ / ₁₆	7 ¹³ / ₁₆
8 x 8 x 4 [§] (PVC)	13	10 ⁷ / ₁₆	11 ³ / ₄
8 x 8 x 6 [§] (PVC)	12 ¹ / ₂	10 ⁷ / ₁₆	11 ³ / ₁₆
10 x 10 x 4 [§] (PVC)	16 ³ / ₁₆	14 ¹ / ₄	15 ²⁷ / ₆₄
10 x 10 x 6 [§] (PVC)	15 ³¹ / ₃₂	14 ¹ / ₄	15 ⁹ / ₆₄
10 x 10 x 8 [§] (PVC)	15 ⁷ / ₁₆	14 ¹ / ₄	14 ²⁵ / ₃₂
12 x 12 x 4 [§] (PVC)	16 ³ / ₄	13 ¹ / ₂	15 ¹¹ / ₃₂
12 x 12 x 6 [§] (PVC)	16 ⁷ / ₁₆	13 ¹ / ₂	15 ⁵ / ₆₄
12 x 12 x 8 [§] (PVC)	16 ³ / ₃₂	13 ¹⁷ / ₃₂	14 ⁵ / ₈
12 x 12 x 10 [§] (PVC)	19 ¹⁵ / ₃₂	17 ¹ / ₁₆	18 ³ / ₁₆
14 x 14 x 4 ^{(F)∞} (PVC)	15 ⁴⁷ / ₆₄	12 ³¹ / ₃₂	11 ³¹ / ₃₂
14 x 14 x 6 ^{(F)∞} (PVC)	17 ⁷ / ₃₂	15 ²¹ / ₃₂	15 ¹⁹ / ₆₄
14 x 14 x 8 ^{(F)∞} (PVC)	18 ²¹ / ₃₂	18 ¹ / ₈	18 ¹ / ₂
14 x 14 x 10 ^{(F)∞} (PVC)	22 ¹ / ₂	20 ³ / ₄	22 ¹ / ₄
14 x 14 x 12 ^{(F)∞} (PVC)	21 ³ / ₁₆	25 ¹ / ₂	26 ³ / ₈
16 x 16 x 4 ^{(F)∞} (PVC)	16 ¹ / ₂	12 ⁹ / ₁₆	12 ⁷ / ₈
16 x 16 x 6 ^{(F)∞} (PVC)	18 ⁵ / ₈	15 ⁴¹ / ₆₄	15 ³ / ₁₆
16 x 16 x 8 ^{(F)∞} (PVC)	19 ¹¹ / ₁₆	18 ⁵ / ₈	19 ³ / ₁₆
16 x 16 x 10 ^{(F)∞} (PVC)	23 ¹ / ₄	23	22 ¹⁵ / ₁₆
16 x 16 x 12 ^{(F)∞} (PVC)	26 ³ / ₁₆	27 ³ / ₁₆	27 ¹³ / ₁₆
16 x 16 x 14 ^{(F)∞} (PVC)	37 ¹ / ₈	27 ¹³ / ₁₆	33 ¹ / ₄



(F) Fabricated

(1) One piece short pattern

§ Fitting shipped with any required bushing(s) installed, street bend strapped to fitting; assembled from molded components.

∞ Fitting shipped with street bend strapped to fitting.

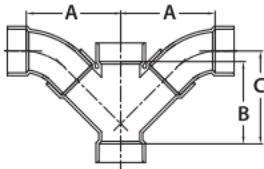
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 507**Double Combination Wye & 1/8 Bend**

(Three Pieces or Five Pieces)

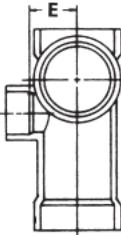
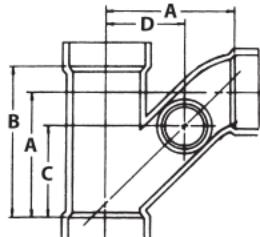
ALL HUB

SIZE	A	B	C
4 (PVC)	9 ¹³ / ₃₂	8 ¹ / ₄	9 ⁵ / ₃₂
2 x 2 x 1 ¹ / ₂ x 1 ¹ / ₂ (PVC)	4 ⁷ / ₈	4 ³ / ₈	4 ¹⁵ / ₁₆
3 x 3 x 2 x 2 (PVC)	6 ⁵ / ₆₄	4 ¹⁵ / ₁₆	5 ¹¹ / ₆₄
4 x 4 x 2 x 2 (PVC)	7 ⁵ / ₁₆	5	6
4 x 4 x 3 x 3 (PVC)	8 ¹⁹ / ₆₄	6 ⁵ / ₈	7 ¹⁹ / ₃₂
6 x 6 x 4 x 4 [§] (PVC)	11 ²¹ / ₃₂	10 ¹ / ₈	10 ³ / ₁₆

**PART NO. PVC 515****Combination Wye & 1/8 Bend
with Left Side Inlet**

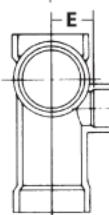
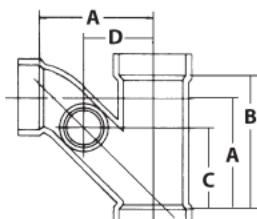
ALL HUB

SIZE	A	B	C	D	E
3 x 3 x 3 x 2 (PVC)	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈

**PART NO. PVC 516****Combination Wye & 1/8 Bend
with Right Side Inlet**

ALL HUB

SIZE	A	B	C	D	E
3 x 3 x 3 x 2 (PVC)	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈



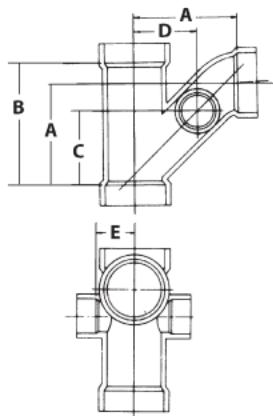
§ Fitting shipped with any required bushing(s) installed, street bend strapped to fitting; assembled from molded components.

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

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PART NO. PVC 517**Combination Wye & 1/8 Bend
with Left & Right Side Inlets**

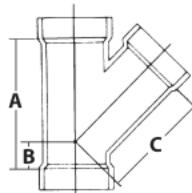
SIZE	A	B	C	D	E
3x3x3x2x2 (PVC)	6 ⁵ / ₁₆	7 ³ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ¹ / ₈

**PART NO. 600****Wye**

(45° Wye)

ALL HUB

SIZE	A	B	C
1 ¹ / ₄ (PVC)	3 ⁵ / ₈	1 ¹ / ₁₆	2 ⁹ / ₁₆
1 ¹ / ₂ (PVC)	4	1 ¹ / ₈	2 ⁷ / ₈
1 ¹ / ₂ (ABS)	4 ¹ / ₃₂	1 ¹ / ₈	2 ¹⁵ / ₁₆
2	5	1 ³ / ₈	3 ⁵ / ₈
3	6 ⁵ / ₈	1 ⁵ / ₈	5
4 (PVC)	8 ¹ / ₄	1 ⁷ / ₈	6 ³ / ₈
4 (ABS)	8 ¹ / ₁₆	1 ³ / ₄	6 ⁵ / ₁₆
6 (PVC)	10 ¹ / ₈	1 ³ / ₄	8 ⁷ / ₁₆
6 (ABS)	9 ¹⁵ / ₁₆	1 ²³ / ₃₂	8 ³ / ₁₆
8 (PVC)	14 ¹ / ₈	2 ³ / ₈	11 ³ / ₄
10 (PVC)	16 ¹ / ₂	2 ⁷ / ₈	13 ⁵ / ₈
12 (PVC)	19 ⁷ / ₁₆	3 ¹¹ / ₃₂	16
14 ^(F) (PVC)	31 ³ / ₈	8	22 ¹ / ₄
16 ^(F) (PVC)	36 ⁵ / ₁₆	10 ³ / ₄	25 ³ / ₁₆



(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

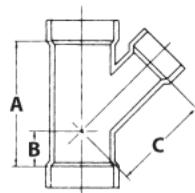
PART NO. 601

Wye, Reducing

(45° Wye)

ALL HUB

SIZE	A	B	C
2 x 1 1/2 x 1 1/2 (PVC)	3 1/2	1 1/16	2 15/16
2 x 1 1/2 x 1 1/2 (ABS)	4 7/32	1 1/32	3 3/8
2 x 1 1/2 x 2	4 1/2	1	3 7/16
2 x 2 x 1 1/2 (PVC)	4 3/8	1 1/16	3 7/16
2 x 2 x 1 1/2 (ABS)	4 1/4	1 1/32	3 3/8
3 x 3 x 1 1/2 (PVC)	4 1/4	1/2	4 5/16
3 x 3 x 1 1/2 (ABS)	4 3/16	1/2	4 9/32
3 x 3 x 2 (PVC)	5	7/8	4 5/8
3 x 3 x 2 (ABS)	5	13/16	4 21/32
4 x 4 x 1 1/2	5	0	6
4 x 4 x 2 (PVC)	5 1/16	3/8	5 9/16
4 x 4 x 2 (ABS)	5	1/4	5 9/16
4 x 4 x 3 (PVC)	6 5/8	1 1/16	6
4 x 4 x 3 (ABS)	6 19/32	1	6
6 x 6 x 3 (PVC)	7 1/16	1/4	7 1/2
6 x 6 x 4 (PVC)	6 7/8	3/16	7 1/2
6 x 6 x 4 (ABS)	6 25/32	7/32	7 7/16
8 x 8 x 4** (PVC)	10 7/16	1	11 9/16
8 x 8 x 6 (PVC)	10 7/16	1	9 13/16
10 x 10 x 4** (PVC)	14 1/4	1 3/8	15 15/16
10 x 10 x 6** (PVC)	14 1/4	1 3/8	15
10 x 10 x 8 (PVC)	14 1/4	1 3/8	13 1/16



Part No. 601 Continued next page

PVC & ABS DWV FITTINGS

** Assembled from two molded components.

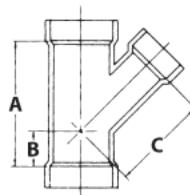
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 601, continued
Wye, Reducing

(45° Wye)

ALL HUB

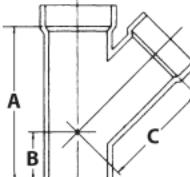
SIZE	A	B	C
12 x 12 x 4** (PVC)	13½	½	16 ²³ / ₃₂
12 x 12 x 6** (PVC)	13½	½	15 ²⁹ / ₆₄
12 x 12 x 8 (PVC)	13 ¹⁹ / ₃₂	½	13 ⁷ / ₈
12 x 12 x 10 (PVC)	17 ¹ / ₁₆	1 ⁷ / ₈	15 ³ / ₃₂
14 x 14 x 4 ^(F) (PVC)	12 ³ / ₈	1 ³⁷ / ₆₄	15 ²³ / ₆₄
14 x 14 x 6 ^(F) (PVC)	15 ⁵¹ / ₆₄	1 ⁵ / ₆₄	18 ³⁷ / ₆₄
14 x 14 x 8 ^(F) (PVC)	15 ⁴⁹ / ₆₄	3 ¹ / ₆₄	16 ⁵¹ / ₆₄
14 x 14 x 10 ^(F) (PVC)	18 ⁵⁷ / ₆₄	3 ⁴³ / ₆₄	18 ²⁹ / ₃₂
14 x 14 x 12 ^(F) (PVC)	25 ⁷ / ₈	5 ⁹ / ₁₆	20
16 x 16 x 4 ^(F) (PVC)	12 ¹¹ / ₁₆	1 ⁹ / ₁₆	15 ¹ / ₄
16 x 16 x 6 ^(F) (PVC)	15 ³ / ₄	3 ¹ / ₁₆	17 ³ / ₁₆
16 x 16 x 8 ^(F) (PVC)	18 ⁷ / ₁₆	1 ⁹ / ₁₆	18 ³ / ₈
16 x 16 x 10 ^(F) (PVC)	23	3 ¹ / ₂	19 ⁵ / ₈
16 x 16 x 12 ^(F) (PVC)	26 ³ / ₈	4 ¹ / ₂	21 ³ / ₄
16 x 16 x 14 ^(F) (PVC)	27 ¹ / ₂	5 ¹ / ₄	23 ⁹ / ₁₆


PART NO. 602
Wye, Street

(45° Wye)

SPIGOT X HUB X HUB

SIZE	A	B	C
1½ (PVC)	4¾	1⅞	2⅞
1½ (ABS)	4⁹/₈	1⅞	2²⁷/₃₂
2	5⁷/₈	2¼	3⁵/₈
3	8¹/₈	3¹/₈	5
4 (PVC)	9¹⁵/₁₆	3⁵/₈	6¹/₄
4 (ABS)	9²⁹/₃₂	3⁵/₈	6¹/₄



(F) Fabricated

** Assembled from two molded components.

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

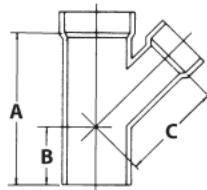
PART NO. 603

Wye, Street, Reducing

(45° Wye)

SPIGOT X HUB X HUB

SIZE	A	B	C
3 x 3 x 1 1/2 (PVC)	5 3/4	2	4 7/32
3 x 3 x 2	6 1/2	2 3/8	4 5/8
4 x 4 x 2 (PVC)	6 23/32	2 1/8	5 15/64
4 x 4 x 3	8 3/8	2 13/16	6



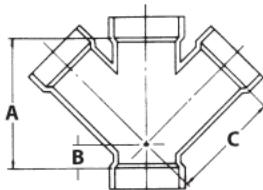
PART NO. 611

Double Wye

(Double 45° Wye)

ALL HUB

SIZE	A	B	C
1 1/2 (PVC)	4	1 1/8	2 7/8
1 1/2 (ABS)	3 15/16	1 5/32	2 27/32
2 (PVC)	5	1 3/8	3 5/8
2 (ABS)	5	1 1/2	3 11/16
3 (PVC)	6 5/8	1 5/8	5
3 (ABS)	6 17/32	1 9/16	5
4 (PVC)	8 1/4	1 7/8	6 3/8
4 (ABS)	8 5/32	1 15/16	6 5/16
6 (PVC)	10 3/16	1 3/4	8 7/16
8 ^(F) (PVC)	19 1/16	4 7/8	13 5/8
10 ^(F) (PVC)	22 1/16	5 11/16	16 1/4
12 ^(F) (PVC)	19 5/16	6 7/8	25 7/8
14 ^(F) (PVC)	28 7/16	7 1/8	20 3/8



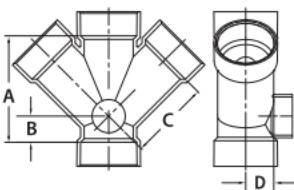
PART NO. PVC 611S

Double Wye with 2" Side Inlet

(Double 45° Wye)

ALL HUB

SIZE	A	B	C	D
3 x 3 x 3 x 2 (PVC)	6 5/8	1 5/8	5	1 3/4

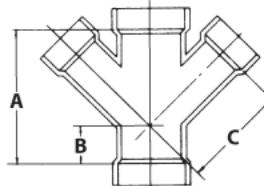
^(F) Fabricated

Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

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PART NO. 612
Double Wye, Reducing
 {Double 45° Wye}
 ALL HUB

SIZE	A	B	C
2 x 2 x 1 1/2 x 1 1/2 (PVC)	4 3/8	1 1/16	3 7/16
2 x 2 x 1 1/2 x 1 1/2 (ABS)	4 5/16	3 1/32	3 1/2
3 x 3 x 1 1/2 x 1 1/2 (PVC)	4 1/4	1/2	4 5/16
3 x 3 x 2 x 2	4 15/16	7/8	4 5/8
4 x 4 x 2 x 2 (PVC)	5	3/8	5 9/16
4 x 4 x 3 x 3 (PVC)	6 5/8	1 1/16	6
4 x 4 x 3 x 3 (ABS)	6 9/16	1	6 1/32
6 x 6 x 4 x 4** (PVC)	10 1/8	1 3/4	10 3/16
8 x 8 x 4 x 4 ^(F) (PVC)	10 1/16	13/16	10 13/16
8 x 8 x 6 x 6 ^(F) (PVC)	13	1 1/2	12 5/8
10 x 10 x 4 x 4 ^(F) (PVC)	11 3/16	2 7/16	14
10 x 10 x 6 x 6 ^(F) (PVC)	14 15/16	3/4	14 5/8
10 x 10 x 8 x 8 ^(F) (PVC)	18	3 7/16	15 1/16
12 x 12 x 4 x 4 ^(F) (PVC)	11 13/16	1	14
12 x 12 x 6 x 6 ^(F) (PVC)	15 11/16	7/16	17 1/8
12 x 12 x 8 x 8 ^(F) (PVC)	18 7/8	3 3/16	16 1/2
12 x 12 x 10 x 10 ^(F) (PVC)	21 11/16	3 7/8	18 1/16
14 x 14 x 4 x 4 ^(F) (PVC)	12 3/4	1 7/16	15 3/16
14 x 14 x 6 x 6 ^(F) (PVC)	15	1	16 3/16
14 x 14 x 8 x 8 ^(F) (PVC)	19	2 7/16	17 19/32
14 x 14 x 10 x 10 ^(F) (PVC)	21 7/8	4	18 3/4
14 x 14 x 12 x 12 ^(F) (PVC)	25 3/16	5	19 7/8
16 x 16 x 4 x 4 ^(F) (PVC)	12 7/16	2 1/4	17 1/32
16 x 16 x 6 x 6 ^(F) (PVC)	15 9/16	1 7/32	17 21/32
16 x 16 x 8 x 8 ^(F) (PVC)	18 3/4	1 1/2	18 3/16
16 x 16 x 10 x 10 ^(F) (PVC)	21 9/16	1 9/16	20 5/8
16 x 16 x 12 x 12 ^(F) (PVC)	26 11/16	4 7/16	21 3/4
16 x 16 x 14 x 14 ^(F) (PVC)			



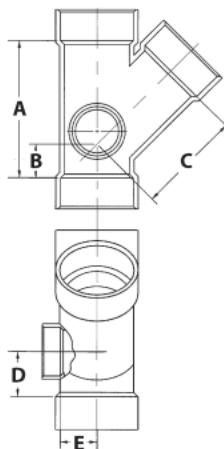
^(F) Fabricated

** Assembled from two molded components.

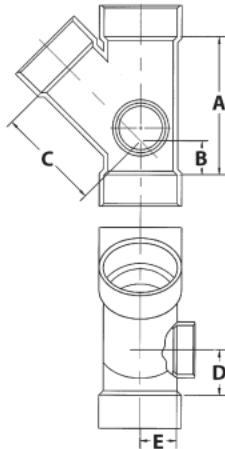
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 625**Wye with Left Side Inlet****ALL HUB**

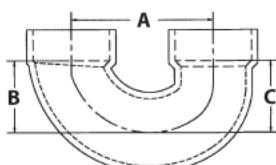
SIZE	A	B	C	D	E
3 x 3 x 3 x 2 (PVC)	6 ⁵ / ₈	1 ⁵ / ₈	5	2 ¹ / ₄	1 ³ / ₄
4 x 4 x 4 x 2 (PVC)	8 ¹ / ₄	1 ⁷ / ₈	6 ³ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆

**PART NO. PVC 626****Wye with Right Side Inlet****ALL HUB**

SIZE	A	B	C	D	E
3 x 3 x 3 x 2 (PVC)	6 ⁵ / ₈	1 ⁵ / ₈	5	2 ¹ / ₄	1 ³ / ₄
4 x 4 x 4 x 2 (PVC)	8 ¹ / ₄	1 ⁷ / ₈	6 ³ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆

**PART NO. 700****Return Bend****HUB X HUB**

SIZE	A	B	C
1 ¹ / ₂ (PVC)	3 ¹ / ₂	1 ³ / ₄	1 ³ / ₄
1 ¹ / ₂ (ABS)	3 ¹⁵ / ₃₂	1 ¹⁷ / ₃₂	1 ¹⁷ / ₃₂
2	5 ⁷ / ₃₂	2 ³ / ₈	2 ³ / ₈
3 (PVC)	6 ³ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
3 (ABS)	6 ²⁵ / ₃₂	2 ³¹ / ₃₂	2 ³¹ / ₃₂
4 (PVC)	8 ¹ / ₂	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆
4 (ABS)	8 ⁷ / ₁₆	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆

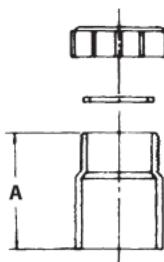


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

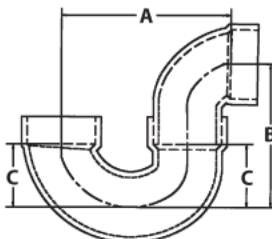
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PART NO. ABS 704P**Tail Piece Adapter with Plastic Nut &
Packing Ring**
SPIGOT X SLIP

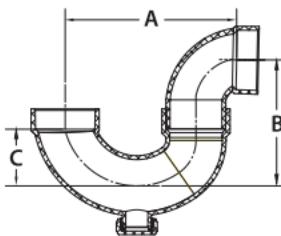
SIZE	A
1½ (ABS)	2 ³ / ₁₆

**PART NO. 706X****P-Trap with Solvent Weld Joint**

SIZE	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1 ³ / ₄
2	6 ¹³ / ₁₆	4 ⁷ / ₈	2 ³ / ₈
3	8 ¹⁵ / ₁₆	6 ¹⁵ / ₁₆	3 ¹ / ₁₆
4	11 ¹ / ₁₆	8 ⁷ / ₁₆	3 ¹¹ / ₁₆

**PART NO. 707X****P-Trap with Cleanout & Solvent****Weld Joint**

SIZE	A	B	C
1½ (PVC)	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1 ³ / ₄
1½ (ABS)	4 ²¹ / ₃₂	3 ¹ / ₂	1 ⁹ / ₁₆
2 (PVC)	6 ³ / ₄	4 ¹¹ / ₁₆	2 ⁵ / ₁₆
2 (ABS)	6 ²⁵ / ₃₂	4 ¹¹ / ₁₆	2 ¹ / ₄

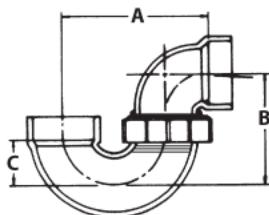


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

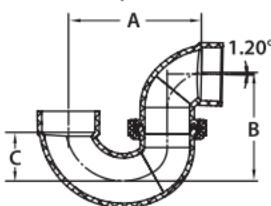
PART NO. 708P**P-Trap with Union & Plastic Nut**

HUB X HUB

SIZE	A	B	C
1 1/4 (PVC)	4 9/16	3 1/2	1 3/8
1 1/2 (PVC)	4 5/8	3 15/16	1 3/4
1 1/2 (ABS)	4 29/32	4 3/32	1 9/16
2 (PVC)	6 13/16	4 7/8	2 3/8
2 (ABS)	6 25/32	4 5/8	2 1/4

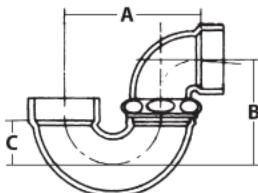


ABS 708P, 1 1/2" ONLY

**PART NO. 708X****P-Trap with Union & Chrome Nut**

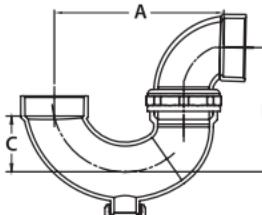
HUB X HUB

SIZE	A	B	C
1 1/2 (PVC)	4 5/8	3 15/16	1 3/4
1 1/2 (ABS)	4 29/32	4 3/32	1 9/16

**PART NO. PVC 709X****P-Trap with Cleanout, Union &****Chrome Nut**

HUB X HUB

SIZE	A	B	C
1 1/2 (PVC)	4 5/8	3 15/16	1 1/2



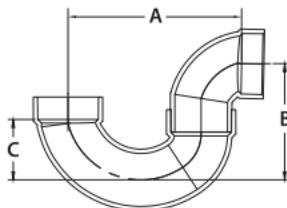
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PVC & ABS DWV FITTINGS

PART NO. PVC 710**Low Profile P-Trap with Solvent Weld**

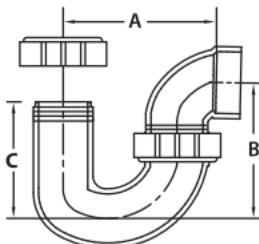
HUB X HUB

SIZE	A	B	C
2 (PVC)	6 ¹³ / ₁₆	4 ⁹ / ₁₆	2 ³ / ₈

**PART NO. 711P****L.A. Pattern P-Trap with Union &****Polyethylene Nut**

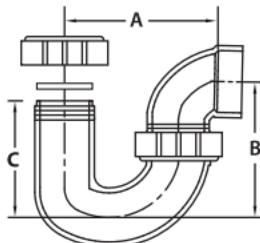
SLIP Union X HUB

SIZE	A	B	C
1 ¹ / ₂ (PVC)	4 ³ / ₄	4 ¹⁵ / ₆₄	3 ⁷ / ₁₆
1 ¹ / ₂ (ABS)	4 ⁹ / ₁₆	4 ¹ / ₈	3 ¹⁷ / ₃₂

**PART NO. 711W****L.A. Pattern P-Trap with Union & Plastic Nut & Polyethylene Washer**

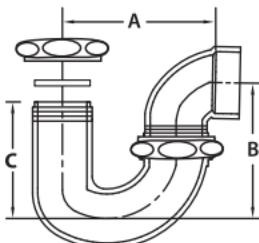
SLIP Union X HUB

SIZE	A	B	C
1 ¹ / ₂ (PVC)	4 ³ / ₄	4 ¹⁵ / ₆₄	3 ⁷ / ₁₆
1 ¹ / ₂ (ABS)	5 ⁵ / ₃₂	4 ¹⁵ / ₆₄	3 ⁴⁵ / ₆₄

**PART NO. PVC 711X****L.A. Pattern P-Trap with Union & Chrome Nut & Polyethylene Washer**

SLIP Union X HUB

SIZE	A	B	C
1 ¹ / ₂ (PVC)	4 ³ / ₄	4 ¹⁵ / ₆₄	3 ⁷ / ₁₆
1 ¹ / ₂ (ABS)	4 ⁹ / ₁₆	4 ¹ / ₈	3 ¹⁷ / ₃₂

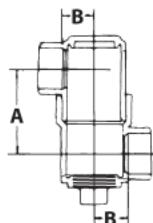


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 720X**Drum Trap**

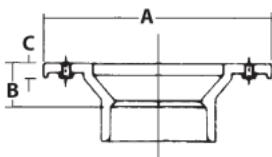
HUB X HUB

SIZE	A	B
3 x 6 x 1 1/2 (PVC)	4 13/16	1 11/16
3 x 6 x 1 1/2 (ABS)	4 21/32	1 23/32

**PART NO. 800 & 800K****Closet Flange**

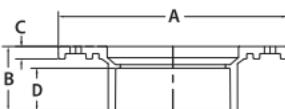
HUB END

SIZE	A	B	C
4 x 3	7	1 1/4	7/16
4 x 4*	7	1 1/4	7/16

**PART NO. 800S****Closet Flange with Stop**

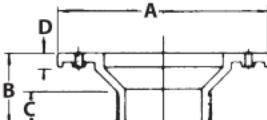
HUB END

SIZE	A	B	C	D
4 x 3	7	2 1/4	7/16	1 1/2

**PART NO. 801****Closet Flange, Reducing**

SPIGOT

SIZE	A	B	C	D
4 x 3 (PVC)	7	2 3/4	1 21/32	7/16
4 x 3 (ABS)	7 1/32	2 3/4	1 9/16	7/16



* Part No. 800K, 4x4" is not available in ABS.

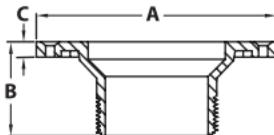
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

P
V
C
&
A
B
S
D
W
V
F
I
T
T
I
N
G
S

PART NO. 808**Male Closet Flange**

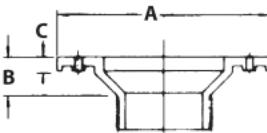
MPT

SIZE	A	B	C
4 x 3 (PVC)	7	1 $\frac{1}{8}$	$\frac{7}{16}$
4 x 3 (ABS)	7	2 $\frac{1}{16}$	$\frac{15}{32}$

**PART NO. PVC 810K****Closet Flange, Adjustable with Plastic Ring**

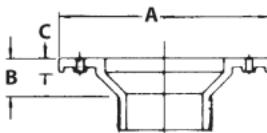
HUB END

SIZE	A	B	C
4 x 3 (PVC)	7	1 $\frac{1}{8}$	$\frac{7}{16}$

**PART NO. ABS 811P****Closet Flange, Adjustable with Plastic Ring**

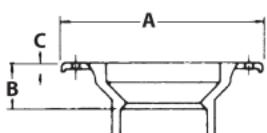
HUB END

SIZE	A	B	C
4 x 3 (ABS)	7	1 $\frac{1}{8}$	$\frac{7}{16}$
4 x 4 (ABS)	7	1 $\frac{1}{8}$	$\frac{7}{16}$

**PART NO. 811****Closet Flange, Adjustable with Metal Ring**

HUB END

SIZE	A	B	C
4 x 3	7	1 $\frac{1}{4}$	$\frac{1}{4}$
4 x 4	7	1 $\frac{1}{8}$	$\frac{1}{4}$

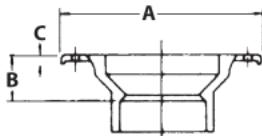


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. PVC 811K**Closet Flange, Adjustable with Metal Ring**

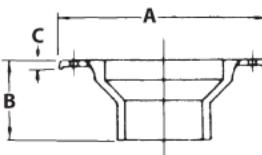
HUB END

SIZE	A	B	C
4 x 3 (PVC)	7	1 1/4	1/4

**PART NO. 812****Closet Flange, Adjustable with Metal Ring**

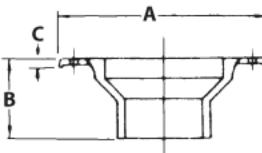
SPIGOT

SIZE	A	B	C
4 x 3 (PVC)	7	2 5/8	1/4
4 x 3 (ABS)	7	2 3/4	1/4
4 x 4 (PVC)	7	2 5/8	1/4
4 x 4 (ABS)	7	2 13/32	1/4

**PART NO. 812P****Closet Flange, Adjustable with Plastic Ring**

SPIGOT

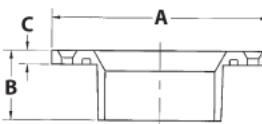
SIZE	A	B	C
4 x 3 (PVC)	7	2 5/8	1/4
4 x 3 (ABS)	7	2 3/4	1/4
4 x 4 (PVC)	7	2 5/8	7/16

**PART NO. 815****Flush Closet Flange**

(Fits Over 3" Pipe or Inside 4" Pipe)

HUB

SIZE	A	B	C
4 x 4 / 4 x 3	7	2 7/8	7/16

P
V
C
&
A
B
S
D
W
V
F
I
T
T
I
N
G
S

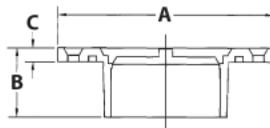
Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 815K**Flush Closet Flange with Knockout**

(Fits Over 3" Pipe or Inside 4" Pipe)

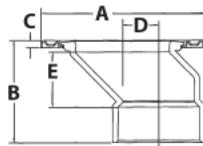
HUB

SIZE	A	B	C
4 x 4 / 4 x 3	7	2 $\frac{7}{32}$	$\frac{7}{16}$

**PART NO. 820****Offset Closet Flange, Adjustable with Metal Ring**(1 $\frac{1}{2}$ " Offset)

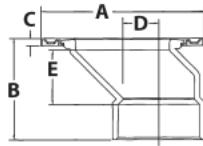
HUB

SIZE	A	B	C	D	E
4 x 3	7	4 $\frac{5}{16}$	$\frac{1}{4}$	1 $\frac{1}{2}$	2 $\frac{5}{16}$

**PART NO. 820P****Offset Closet Flange, Adjustable with Plastic Ring**(1 $\frac{1}{2}$ " Offset)

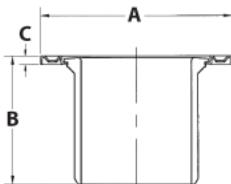
HUB

SIZE	A	B	C	D	E
4 x 3	7	4 $\frac{5}{16}$	$\frac{7}{16}$	1 $\frac{1}{2}$	2 $\frac{5}{16}$

**PART NO. ABS 824****Closet Flange, Adjustable with Metal Ring & 4" Extended Spigot**

SPIGOT

SIZE	A	B	C
4 (ABS)	7	4 $\frac{11}{16}$	$\frac{1}{4}$

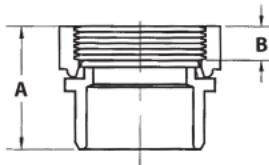


Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PART NO. 900**Swivel Tray Plug Adapter
with Washer**

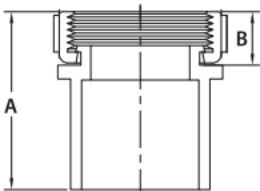
SPG X FPT

SIZE	A	B
1½	1 ²³ / ₃₂	1 ¹⁵ / ₃₂

**PART NO. ABS 900X****Swivel Tray Plug Adapter
with Washer, Extended**

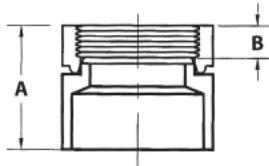
SPG X FPT

SIZE	A	B
1½ (ABS)	2 ⁷ / ₁₆	1 ¹⁵ / ₃₂

**PART NO. ABS 910****Swivel Tray Plug Adapter
with Washer**

H X FPT

SIZE	A	B
1½ (ABS)	1 ¹³ / ₁₆	9 ⁹ / ₁₆



Note: If PVC or ABS is not listed for a specific size, that size fitting is available in PVC and ABS materials, and the dimensions listed are the same for both materials.

PVC & ABS DWV FITTINGS

Thin Wall PVC DWV Pipe

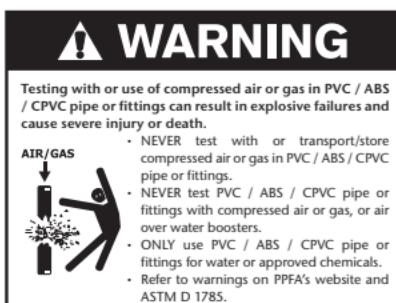
PVC Thin Wall Schedule 30 Pipe

PVC SCHEDULE 30 (White)		PLAIN END			ASTM D 2949	
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 9300	3" x 10'	03963	1250'	3.25	.125	80.2

Weight is approximate and is for shipping purposes only.

Pipe listed in this section meets or exceeds the requirements of ASTM D 2949.

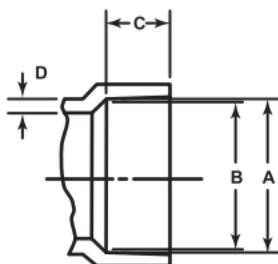
All products manufactured by Charlotte Pipe and Foundry Company are proudly made in the U.S.A.



PVC Thin Wall Schedule 30 Fittings

THIN
WALL
PVC
DWV

HUB DIMENSIONS



PVC Thin Wall SCH 30 Fittings Hub Dimensional Tolerances

SIZE	A	B	C	D
3.25 O.D.	3.265	3.245	1.500	0.140
	$\pm .008$	$\pm .008$	MIN.	MIN.

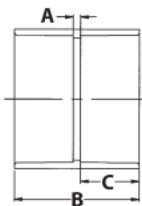
IPS Hub Dimensional Tolerances

SIZE	A	B	C	D
1 1/2	1.915 $.010/-0.005$	1.894 $\pm .006$	0.750 MIN.	0.156 MIN.
2	2.390 $.010/-0.005$	2.369 $\pm .006$	0.875 MIN.	0.156 MIN.
3	3.520 $.010/-0.005$	3.498 $\pm .008$	1.500 MIN.	0.218 MIN.
4	4.520 $.010/-0.005$	4.491 $\pm .009$	1.500 MIN.	0.250 MIN.

PART NO. PVC 1100**Coupling**

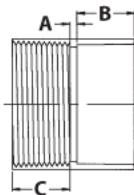
HUB X HUB

SIZE	A	B	C
3	3/16	3 7/32	1 17/32

**PART NO. PVC 1101****Female Adapter**

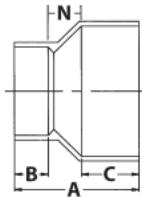
FTP X HUB

SIZE	A	B	C
3	3/16	1 1/2	1 17/32

**PART NO. PVC 1102****Pipe Increaser-Reducer**

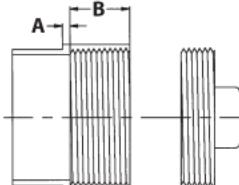
HUB X HUB

SIZE	A	B	C	N
1 1/2 x 3	2 3/4	3/4	1 1/2	1 1/4
2 x 3	2 3/4	7/8	1 1/2	1 1/4
4 x 3	4 7/32	1 9/16	1 3/4	2 7/32

**PART NO. PVC 1105X****Fitting Cleanout Adapter
with Cleanout Plug**

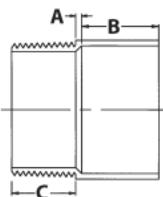
SPIGOT

SIZE	A	B
3	7/32	1 17/32

**PART NO. PVC 1109****Male Adapter**

MPT X HUB

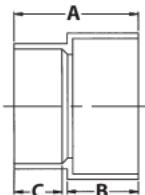
SIZE	A	B	C
3	5/16	1 1/2	1 1/2



PART NO. PVC 1112**Reducer Bushing**

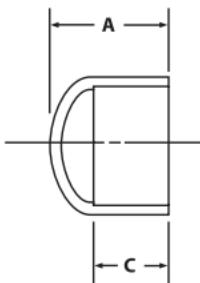
HUB X SPIGOT

SIZE	A	B	C
3 x 1½	2 ⁵ / ₁₆	1½	¾
3 x 2	2 ⁷ / ₁₆	1½	29/32
4 x 3	2 ¹ / ₈	1¾	1 ⁵ / ₈

**PART NO. PVC 1116****Cap**

SOCKET

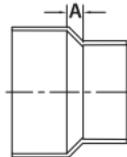
SIZE	A	C
3	2 ⁵ / ₁₆	1 ¹⁵ / ₁₆

**PART NO. PVC 1117****Adapter Coupling**

(Adapts S&D Hub to DWV Hub)

SPIGOT X SPIGOT

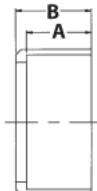
SIZE	A
4 x 3	9/16

**PART NO. PVC 1129****Hub Adapter**

(Adapts 3" IPS Hub to 3" Thin Wall Pipe)

SPIGOT X HUB

SIZE	A	B
3 x 3	1½	1 ²⁵ / ₃₂

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N

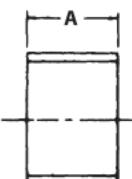
W
A
L

P
V
C

D
W
V**PART NO. PVC 1130****Repair Coupling**

HUB X HUB

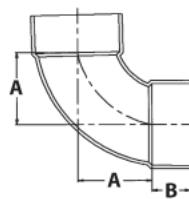
SIZE	A
3	3 ³ / ₁₆



PART NO. PVC 1300**1/4 Bend**

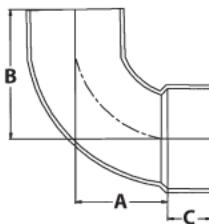
HUB X HUB

SIZE	A	B
3	2 $\frac{7}{8}$	1 $\frac{17}{32}$

**PART NO. PVC 1302****1/4 Bend, Street**

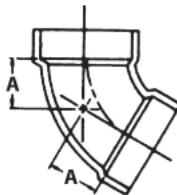
SPIGOT X HUB

SIZE	A	B	C
3	2 $\frac{7}{8}$	4 $\frac{9}{32}$	1 $\frac{17}{32}$

**PART NO. PVC 1319****1/6 Bend**

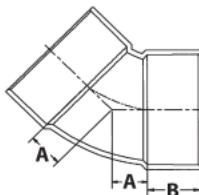
HUB X HUB

SIZE	A
3	1 $\frac{1}{2}$

**PART NO. PVC 1321****1/8 Bend**

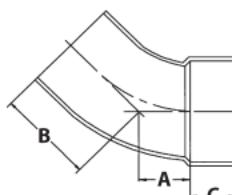
HUB X HUB

SIZE	A	B
3	1 $\frac{1}{32}$	1 $\frac{17}{32}$

**PART NO. PVC 1323****1/8 Bend, Street**

SPIGOT X HUB

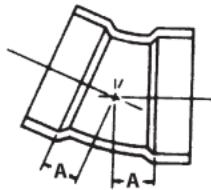
SIZE	A	B	C
3	1 $\frac{1}{32}$	2 $\frac{17}{32}$	1 $\frac{17}{32}$



PART NO. PVC 1324**1/16 Bend**

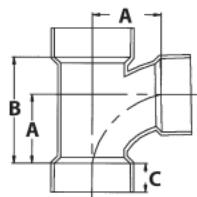
HUB X HUB

SIZE	A
3	1 ¹ / ₁₆

**PART NO. PVC 1400****Sanitary Tee**

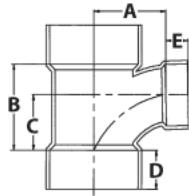
HUB X HUB

SIZE	A	B	C
3	2 ³ / ₃₂	4 ¹ / ₂	1 ¹⁷ / ₃₂

**PART NO. PVC 1401****Sanitary Tee, Reducing**

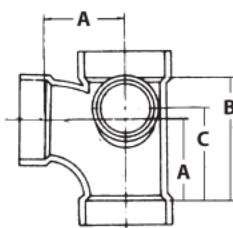
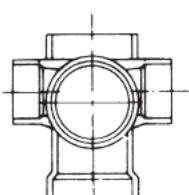
HUB X HUB

SIZE	A	B	C	D	E
3 x 1 ¹ / ₂	2 ⁹ / ₁₆	2 ¹¹ / ₁₆	1 ¹¹ / ₁₆	1 ¹ / ₂	3/4
3 x 2	2 ⁷ / ₃₂	3 ³ / ₈	1 ³¹ / ₃₂	1 ¹ / ₂	7/8

**PART NO. PVC 1418****Sanitary Tee with Right & Left Side Inlets**

ALL HUB

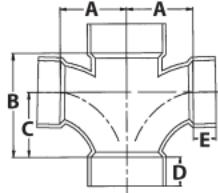
SIZE	A	B	C
3 x 3 x 3 x 1 ¹ / ₂ x 1 ¹ / ₂	2 ¹⁵ / ₁₆	4 ¹³ / ₃₂	2 ¹⁵ / ₁₆
3 x 3 x 3 x 2 x 2	2 ¹⁵ / ₁₆	4 ¹³ / ₃₂	2 ¹⁵ / ₁₆



PART NO. PVC 1429**Double Sanitary Tee, Reducing**

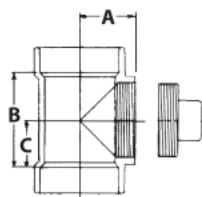
HUB X HUB

SIZE	A	B	C	D	E
3 x 1½	2½	2 ¹ / ₃₂	1 ²⁵ / ₃₂	1 ¹⁷ / ₃₂	2 ⁵ / ₃₂

**PART NO. PVC 1444X****Cleanout Tee with Cleanout Plug**

HUB X HUB X FTP

SIZE	A	B	C
3	2 ³ / ₄	3 ³ / ₄	1 ⁷ / ₈

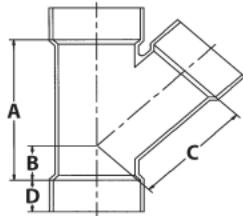


See Part No. 106
for plug dimensions.

PART NO. PVC 1600**Wye**

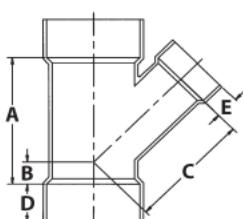
HUB X HUB

SIZE	A	B	C	D
3	4 ⁷ / ₈	¾	4 ¹ / ₈	1 ¹⁷ / ₃₂

**PART NO. PVC 1601****Wye, Reducing**

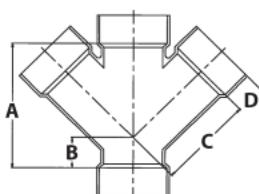
HUB X HUB

SIZE	A	B	C	D	E
3 x 1½	3 ¹¹ / ₁₆	¾	3½	1 ¹⁷ / ₃₂	2 ⁵ / ₃₂
3 x 2	3 ¹¹ / ₁₆	¼	4 ³ / ₈	1 ¹⁷ / ₃₂	7/8

**PART NO. PVC 1611****Double Wye**

HUB X HUB

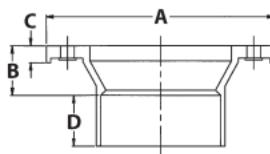
SIZE	A	B	C	D
3	4 ²⁹ / ₃₂	1 ³ / ₁₆	4 ¹ / ₈	1 ¹⁷ / ₃₂



PART NO. PVC 1800**Closet Flange**

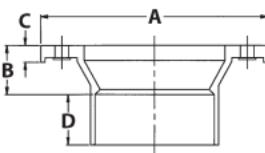
HUB

SIZE	A	B	C	D
4 x 3	7	1 1/4	7/16	1 9/16

**PART NO. PVC 1800K****Closet Flange**

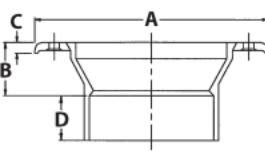
HUB

SIZE	A	B	C	D
4 x 3	7	1 1/4	7/16	1 9/16

**PART NO. PVC 1811****Closet Flange, Adjustable with Metal Ring**

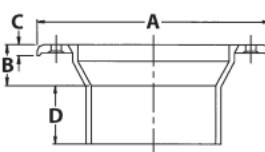
HUB

SIZE	A	B	C	D
4 x 3	6 3/4	1 1/4	1/4	1 1/2

**PART NO. PVC 1812****Closet Flange, Adjustable with Metal Ring**

SPIGOT

SIZE	A	B	C	D
4 x 3	6 3/4	1 1/4	1/4	1 1/2

T H I N
W A L L
P V C
D W V

This is to certify that all Plastic Pipe and Fittings manufactured by Charlotte Pipe and Foundry Company are manufactured in the United States and conform to the following standards:

PVC SCH. 40 SOLID WALL PIPE

ASTM D 1784, ASTM D 1785, ASTM D 2665

FHA UM 79a

FEDERAL SPECIFICATION L-P-320a

NSF STANDARD NO. 14 AND 61

PVC SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 4396, ASTM F 891

NSF STANDARD NO. 14

RePVC® SCH. 40 DWV PIPE

ASTM D 4396, ASTM F 1760

NSF STANDARD NO. 14

PVC SCH. 40 DWV FITTINGS

ASTM D 1784, ASTM D 2665, ASTM D 3311, ASTM F 1866

FHA UM 79a

FEDERAL SPECIFICATION L-P-320a

NSF STANDARD NO. 14

PVC SDR-21 AND SDR-26 PRESSURE PIPE

ASTM D 1784, ASTM D 2241

NSF STANDARD NO. 14 AND 61

PVC SCH. 40 PRESSURE FITTINGS

ASTM D 1784, ASTM D 2466

NSF STANDARD NO. 14 AND 61

PVC SCH. 40 WELL CASING PIPE

ASTM D 1784, ASTM F 480

NSF STANDARD NO. 14 AND 61

PVC SCH. 80 PIPE

ASTM D 1784, ASTM D 1785, PVC 1120

NSF STANDARD NO. 14 AND 61

PVC SCH. 80 FITTINGS

ASTM D 1784, ASTM D 2467, ASTM D 2464, ASTM F 1970

NSF STANDARD NO. 14 AND 61

PVC SDR 35 SEWER MAIN PIPE

ASTM D 1784, ASTM D 3034 SDR 35
ASTM D 3212, ASTM F 477

PVC SEWER AND DRAIN PIPE

ASTM D 1784, ASTM D 2729

PVC THIN WALL PIPE & FITTINGS

ASTM D 1784, ASTM D 2949
NSF STANDARD NO. 14

CPVC FLOWGUARD GOLD® CTS PIPE & FITTINGS

ASTM D 1784, ASTM D 2846
FHA UM-61a
NSF STANDARD NO. 14. AND 61
CSA LISTED ON SPECIFIED ITEMS

CPVC REUZE® CTS PIPE

ASTM D 1784, ASTM D 2846
NSF STANDARD NO. 14.

CPVC CHEMDRAIN® SCH. 40 PIPE & FITTINGS

ASTM D 1784, ASTM F 2618
NSF STANDARD NO. 14

ABS SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM F 628
NSF STANDARD NO. 14

ABS PLUS® SCH. 40 DWV CELLULAR CORE PIPE

ASTM D 3965, ASTM D 4396, ASTM F 1488
NSF STANDARD NO. 14.

ABS SCH. 40 DWV FITTINGS

ASTM D 3965, ASTM D 2661, ASTM D 3311
FHA UM 79a
FEDERAL SPECIFICATION L-P-322b
NSF STANDARD NO. 14

C
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LIMITED WARRANTY

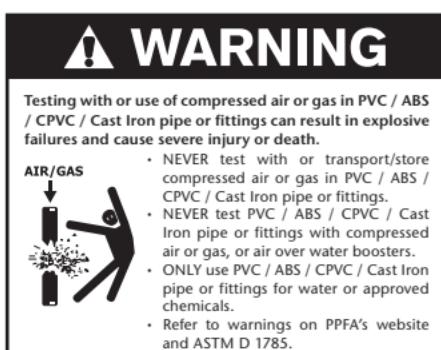
Charlotte Pipe and Foundry Company® (Charlotte Pipe®) Products are warranted to be free from manufacturing defects and to conform to currently applicable ASTM standards for a period of five (5) years from date of delivery. Buyer's remedy for breach of this warranty is limited to replacement of, or credit for, the defective product. This warranty excludes any expense for removal or reinstallation of any defective product and any other incidental, consequential, or punitive damages. **This limited warranty is the only warranty made by seller and is expressly in lieu of all other warranties, express and implied, including any warranties of merchantability and fitness for a particular purpose.** No statement, conduct or description by Charlotte Pipe or its representative, in addition to or beyond this Limited Warranty, shall constitute a warranty. This Limited Warranty may only be modified in writing signed by an officer of Charlotte Pipe.

This Limited Warranty will not apply if:

- 1) The Products are used for purposes other than their intended purpose as defined by local plumbing and building codes, and the applicable ASTM standard.
- 2) The Products are not installed in good and workmanlike manner consistent with normal industry standards; installed in compliance with the latest instructions published by Charlotte Pipe and good plumbing practices; and installed in conformance with all applicable plumbing, fire and building code requirements.
- 3) This limited warranty does not apply when the products of Charlotte Pipe are used with the products of other manufacturers that do not meet the applicable ASTM or CISPI standards or that are not marked in a manner to indicate the entity that manufactured them.
- 4) In hubless cast iron installations, this warranty will not apply if products are joined with unshielded hubless couplings. Charlotte Pipe requires that its hubless cast iron pipe and fittings be joined only with shielded hubless couplings manufactured in accordance with CISPI 310, ASTM C 1277 and certified by NSF® International or with Heavy Duty Couplings meeting ASTM C 1540.
- 5) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 6) The Products have been the subject of modification; misuse; misapplication; improper maintenance or repair; damage caused by the fault or negligence of anyone other than Charlotte Pipe; or any other act or event beyond the control of Charlotte Pipe.
- 7) The Products fail due to the freezing of water in the Products.
- 8) The Products fail due to contact with chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents that are not compatible.
- 9) Pipe outlets, sound attenuation systems or other devices are permanently attached to the surface of Charlotte® PVC, ABS or CPVC products with solvent cement or adhesive glue.

Charlotte Pipe products are manufactured to the applicable ASTM or CISPI standard. Charlotte Pipe and Foundry **cannot** accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

Any Charlotte Pipe products alleged to be defective **must** be made available to Charlotte Pipe at the following address for verification, inspection and determination of cause:



Charlotte Pipe and Foundry Company
Attention: Technical Services
2109 Randolph Road
Charlotte, North Carolina 28207

Purchaser must obtain a return materials authorization and instructions for return shipment to Charlotte Pipe of any product claimed defective or shipped in error.

Any Charlotte Pipe product **proved** to be defective in manufacture will be replaced F.O.B. point of original delivery, or credit will be issued, at the discretion of Charlotte Pipe.

4/24/15

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This catalog accurately reflects dimensional information to the best of our knowledge. If the dimensions on your job are critical, please verify dimensional information with our factory.

This dimensional catalog accurately reflects our product line at the time the catalog was printed. However, we add and delete items on an ongoing basis to better serve our customers. Please refer to our current list price sheets for an accurate listing of items offered.

Charlotte Pipe® products are manufactured to the applicable ASTM standard. Charlotte Pipe and Foundry cannot accept responsibility for the performance, dimensional accuracy, or compatibility of pipe, fittings, gaskets, or couplings not manufactured or sold by Charlotte Pipe and Foundry.

CHARLOTTE

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