

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 June 5, 2017]

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.

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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	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.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PFFA's website and ASTM D 1785.

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	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

ABS - DWV PIPE

NSF Listed. Meets All Requirements of ASTM F 1488.



NOTICE

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WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PFFA's website and ASTM D 1785.

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	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 4112	1½" x 10'	04178	1650	1.900	0.145	32.3
PVC 4112	1½" 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	280	6.625	0.280	235.0
PVC 4600	6" x 20'	03939	560	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				ASTM F 891		
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	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	240	6.625	0.280	235.0
PVC 4600B	6" x 20'	04786	480	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.

⚠ WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PFFA's website and ASTM D 1785.

AIR/GAS



RePVC® DWV Pipe

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	1½" x 20'	11744	3300'	1.900	0.145	50.7
PVC 15200	2" x 20'	11745	1980'	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.



⚠ WARNING

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AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFA's website and ASTM D 1785.

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	280'	6.625	.280	361.2
PVC 7600†	6" x 20'	03956	560'	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.



! WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PFFA's website and ASTM D 1785.

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	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	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	280	10'-0"	241.7	6.275	.180
S/M 6006	6"x20'	04014	560	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.

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PFFA's website and ASTM D 1785.



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 ASTM D 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.



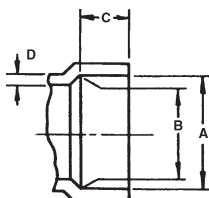
WARNING

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

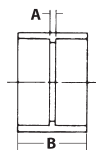
SIZE	A	B	C	D
1½	1.910	1.895	.687	.156
2	2.385	2.370	.750	.156
3	3.515	3.495	1.500	.218
4	4.515	4.495	1.750	.250
6	6.647	6.614	3.000	.281

PVC

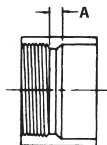
SIZE	A	B	C	D
1¼	1.675	1.650	.687	.156
1½	1.915	1.895	.687	.156
2	2.390	2.370	.750	.156
3	3.520	3.495	1.500	.218
4	4.520	4.495	1.750	.250
6	6.647	6.614	3.000	.281
8	8.655	8.610	4.000	.322
10	10.776	10.737	5.000	.365
12	12.778	12.736	6.000	.406
14	14.035	13.085	7.000	.437
16	16.045	15.980	8.000	.500

PART NO. 100
Coupling
HUB X HUB

SIZE	A	B
1 $\frac{1}{4}$	$\frac{1}{8}$	1 $\frac{5}{8}$
1 $\frac{1}{2}$	$\frac{1}{8}$	1 $\frac{9}{16}$
2	$\frac{15}{64}$	1 $\frac{3}{4}$
3	$\frac{3}{16}$	3 $\frac{3}{16}$
4	$\frac{1}{4}$	3 $\frac{3}{4}$
6	$\frac{1}{4}$	6 $\frac{1}{4}$
8	$\frac{1}{4}$	8 $\frac{1}{4}$
10	$\frac{5}{16}$	10 $\frac{3}{8}$
12	$\frac{3}{8}$	13 $\frac{7}{16}$
14 ^(F)	3	17
16 ^(F)	3 $\frac{3}{8}$	19 $\frac{3}{8}$


PART NO. 101
Female Adapter
FPT X HUB

SIZE	A
1 $\frac{1}{2}$	$\frac{1}{4}$
2	$\frac{1}{4}$
3	$\frac{5}{16}$
4	1 $\frac{1}{32}$
6	$\frac{1}{4}$
8	$\frac{9}{16}$
10 ^(F)	2 $\frac{7}{8}$
12 ^(F)	3 $\frac{3}{16}$


PART NO. PVC 101X
Female Adapter with Cleanout Plug
FPT X HUB

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

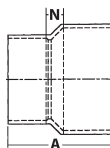
^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 102

Pipe Inserter-Reducer

SIZE	HUB X HUB	
	A	N
1½ x 2	2 ⁵ / ₃₂	1 ⁷ / ₃₂
1½ x 3	3 ¹¹ / ₃₂	1 ³ / ₃₂
2 x 3	3 ⁵ / ₃₂	7/8
2 x 4	4	1 ³ / ₈
3 x 4	4 ³ / ₁₆	1 ⁵ / ₁₆
3 x 6	6½	2
4 x 6	6 ⁹ / ₃₂	1¾
4 x 8	7½	1 ²³ / ₃₂
6 x 8	8 ¹³ / ₃₂	1 ¹³ / ₃₂
4 x 10**	11 ²⁵ / ₆₄	4 ¹⁵ / ₃₂
4 x 12**		
4 x 14 ^(F)	19	9¾
4 x 16 ^(F)	20 ⁵ / ₈	10¼
6 x 10	9 ²⁷ / ₃₂	1 ⁷ / ₈
6 x 12**	13 ³ / ₈	4 ³ / ₈
6 x 14 ^(F)		
6 x 16 ^(F)		
8 x 10	10 ³ / ₄	1 ¹ / ₁₆
8 x 12	12 ³ / ₄	2 ¹ / ₁₆
8 x 14 ^(F)	22½	11 ³ / ₈
8 x 16 ^(F)	24¼	12 ¹ / ₈
10 x 12	12 ³ / ₄	1 ¹¹ / ₁₆
10 x 14 ^(F)	17 ³ / ₄	5¾
10 x 16 ^(F)	25	12
12 x 14 ^(F)	16 ¹¹ / ₁₆	3 ³ / ₁₆
12 x 16 ^(F)	20¾	6 ⁷ / ₁₆
14 x 16 ^(F)	19 ⁷ / ₈	4 ⁷ / ₁₆

^(F) Fabricated

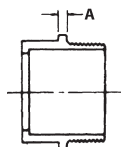
** Assembled from two molded components

Note: Shading indicates available in PVC only.

PART NO. 103
Trap Adapter—Male, Less Washer &
Metal Nut

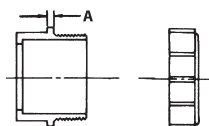
SPIGOT X SLIP

SIZE	A
1½ X 1¼	3/16
1½	3/16
2	3/16


PART NO. 103P
Trap Adapter—Male, with Washer &
Polyethylene Nut

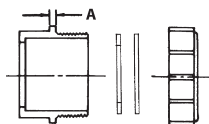
SPIGOT X SLIP

SIZE	A
1½ X 1¼	3/16
1½	3/16
2	3/16


PART NO. PVC 103R
Trap Adapter—Male, with 1½" Plastic Nut
& Washer & 1½" x 1¼" Washer

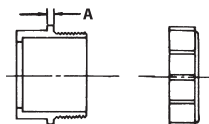
SPIGOT X SLIP WITH PLASTIC NUT

SIZE	A
1½	3/16


PART NO. 103W
Trap Adapter—Male, with Washer &
Plastic Nut

SPIGOT X SLIP WITH PLASTIC NUT

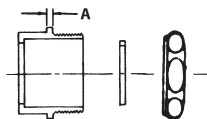
SIZE	A
1½ X 1¼	3/16
1½	3/16
2	3/16



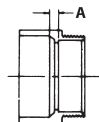
Note: Shading indicates available in PVC only.

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

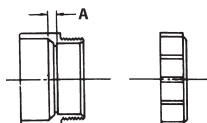
SIZE	A
1½ X 1¼	⅜
1½	⅜
2	⅜

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

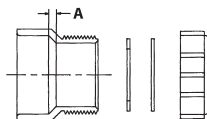
SIZE	A
1½ X 1¼	⅜
1½	⅜

**PART NO. 104P**
**Trap Adapter—Female, with Washer &
 Plastic Nut**
 HUB X SLIP

SIZE	A
1½ X 1¼	⅜
1½	⅜

**PART NO. ABS 104R***
**Trap Adapter—Female, with 1½'' Plastic
 Nut & Washer & 1½'' x 1¼'' Washer**
 HUB X SLIP WITH PLASTIC NUT

SIZE	A
1½*	⅜

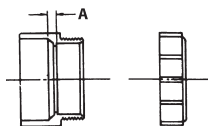


* Available in ABS only
 Note: Shading indicates available in PVC only.

PART NO. 104W
**Trap Adapter—Female, with Washer &
 Plastic Nut**

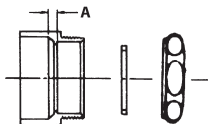
HUB X SLIP WITH PLASTIC NUT

SIZE	A
1½ X 1¼	3/16
1½	3/16

**PART NO. 104X**
**Trap Adapter—Female, with Washer &
 Chrome Nut**

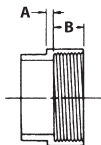
HUB X SLIP

SIZE	A
1¼	3/16
1½ X 1¼	3/16
1½	3/16

**PART NO. 105**
Fitting Cleanout Adapter

SPIGOT X FPT

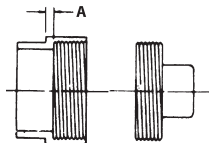
SIZE	A	B
1¼	3/16	3/4
1½	5/32	5/8
2	5/32	5/8
3	7/32	3/4
4	1/4	7/8
6	5/16	17/16
8	3/8	1½
10 ^(F)	15/16	2¼
12 ^(F)	1/8	27/16

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

SPIGOT X FPT

SIZE	A
------	---

For dimensions see part numbers 105 and 106.

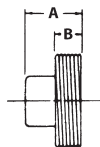
^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 106
Cleanout Plug

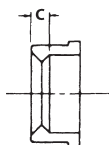
MPT

SIZE	A	B
1½	1⅜	5⁄8
2	1⅜	5⁄8
2½*	1½	¾
3	1¾	¾
4	1⅞	7⁄8
6	2	1
8	2⅜	1⅜
10	2 ⁷ / ₁₆	1 ⁷ / ₁₆
12	2 ¹⁷ / ₃₂	1 ¹⁷ / ₃₂


PART NO. 107
Flush Bushing

SPIGOT X HUB

SIZE	C
1½ x 1¼	3⁄16
2 x 1¼	5⁄16
2 x 1½	5⁄16
3 x 1½	1
3 x 2	7⁄8
4 x 2	1⅛
4 x 3	½
6 x 4	1¾
8 x 4	2 ⁷ / ₈
8 x 6	1 ⁵ / ₈
10 x 4**	
10 x 6**	3 ⁵ / ₃₂
10 x 8	1½
12 x 4**	5 ⁵ / ₃₂
12 x 6**	4 ⁵ / ₃₂
12 x 8	2½
12 x 10	1½



* Available in ABS only

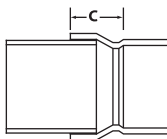
** Assembled from two molded components

Note: Shading indicates available in PVC only.

PART NO. PVC 107
Concentric Reducer Bushing

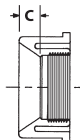
SPIGOT X HUB

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


PART NO. PVC 108
Flush Bushing (Cleanout Adapter)

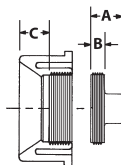
SPIGOT X FPT

SIZE	C
2 x 1½	5 ⁵ / ₁₆
8 x 6 ^(CP)	1 ⁵ / ₈
10 x 8	1½
12 x 8	1 ¹³ / ₁₆


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

SPIGOT

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

^(F) Fabricated^(CP) PVC 108, 8"x6" is available only as a component part of PVC 444X.

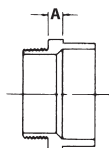
Note: Shading indicates available in PVC only.

PART NO. 109
Male Adapter

MPT X HUB

 NOTE: NOT A TRAP ADAPTER. WILL NOT ACCEPT A TAIL PIECE.
 SEE PART NUMBER 104

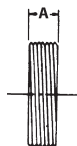
SIZE	A
1¼	3/16
1¼ X 1½	3/16
1½	3/16
2	3/16
3	3/8
4	3/8



(Octagon shoulders for tightening purposes.)

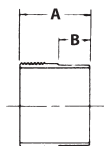
PART NO. 110
Flush Cleanout Plug

SIZE	A
2	5/8
3	3/4
4	3/4


PART NO. 111
Male Fitting Adapter

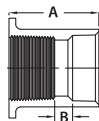
MPT X SPIGOT

SIZE	A	B
1½	1 ¹³ / ₁₆	¾
1½ X 1¼	1 ¹¹ / ₁₆	1 ¹ / ₁₆
2	1 ¹⁵ / ₁₆	7/8
3	3 ¹ / ₁₆	1½


PART NO. PVC 113
Tray Plug Adapter

HUB

SIZE	A	B
1½	2 ⁹ / ₁₆	1 ⁷ / ₃₂



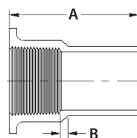
Note: Shading indicates available in PVC only.

PART NO. ABS 113S*

Tray Plug Adapter

SPIGOT

SIZE	A	B
1½	3 ⁵ / ₁₆	¼

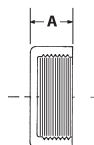


PART NO. ABS 114*

Threaded Cap

FPT

SIZE	A
1½*	¾

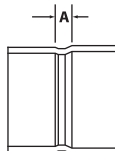


PART NO. PVC 115

Adapter Coupling

SDR 35 HUB X DWV HUB

SIZE	A
8 ^(F)	1¾
10 ^(F)	3½
10 x 8 ^(F)	3½
12 ^(F)	1

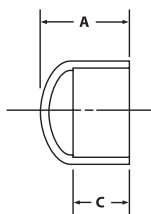


PART NO. 116

Cap

SOCKET

SIZE	A	C
1½	1 ¹⁵ / ₁₆	1 ⁵ / ₁₆
2	2 ⁵ / ₃₂	1 ³ / ₈
3	2 ¹⁵ / ₁₆	1 ²⁹ / ₃₂
4	3 ¹ / ₈	2 ¹ / ₃₂
6	4 ³ / ₄	3 ⁵ / ₈
8	6 ¹³ / ₃₂	4
10	7 ³ / ₄	5
12	9 ⁷ / ₁₆	6
14 ^(F)	5½	5 ¹ / ₁₆
16 ^(F)	5¾	5¼



* Available in ABS only

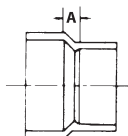
^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 117
Adapter Coupling

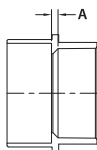
 (Adapts Sewer and Drain Spigot to DWV Spigot)
 HUB X HUB

SIZE	A
3 X 3	1/8
4 X 3	3/4
4 X 4	1/2


PART NO. PVC 117X
Adapter Coupling

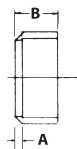
 (Adapts Sewer and Drain Spigot to DWV Hub)
 HUB X SPG

SIZE	A
4 X 3	1/4


PART NO. 118
Adapter Bushing

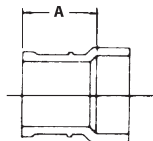
 (Adapts DWV Hub to Sewer and Drain Spigot)
 DWV SPIGOT X HUB

SIZE	A	B
3	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

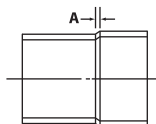
SIZE	A
1 1/2	1 27/32
2	1 23/32
2 X 1 1/2	1 11/16
3	1 13/16
4	1 27/32
4 X 3	2 5/32



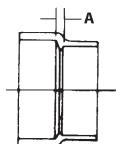
Note: Shading indicates available in PVC only.

PART NO. PVC 120
Adapter Bushing
 DWV SPIGOT X SDR 35 HUB

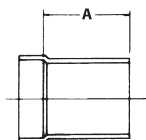
SIZE	A
8 ^(F)	5/8
10 ^(F)	5/8
12 ^(F)	5/8


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

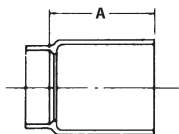
SIZE	A
2 X 2	3/8
3 X 3	7/16
4 X 4	1/2


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)	4 ⁵ /64
4 X 4 ^(P)	4 ²⁵ /64


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

SIZE	A
1 1/2 X 2 ^(P)	3 1/2
3 X 4 ^(P)	4



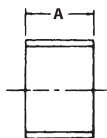
^(P) Plain End: Joint can be made with compression gasket only.

^(F) Fabricated

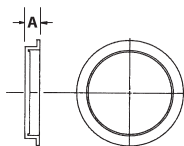
Note: Shading indicates available in PVC only.

PART NO. 130
Repair Coupling

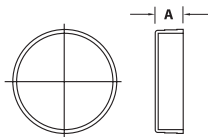
HUB X HUB	
SIZE	A
1½	1⅝
2	1⅞
3	3⅜
4	3¾
6	6¼
8 ^(F)	8⅜
10 ^(F)	10⅜
12 ^(F)	12⅜


PART NO. PVC 131
Test Cap^(C1)

SIZE	A
1½	9/32
2	9/32
3	5/16
4	3/8


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

SIZE	A
1½	9/16
2	9/16
3	9/16
4	9/16



^(C1) Inserts into pipe

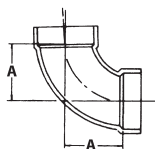
^(C2) Inserts over pipe

^(F) Fabricated

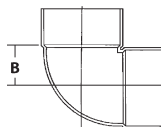
Note: Shading indicates available in PVC only.

PART NO. 300
1/4 Bend
 (Sanitary 90° Ell)
 ALL HUB

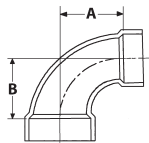
SIZE	A
1 1/4	1 9/16
1 1/2	1 3/4
2	2 5/16
3	3 1/16
4	3 7/8
6	5
8	6
10	9 9/32
12	11
14 ^(F)	16 3/4
16 ^(F)	18 9/16


PART NO. PVC 300A
Short 1/4 Bend
 (90° Ell)
 ALL HUB

SIZE	B
8 ^(N)	4 1/2
10 ^(N)	6 1/4
12 ^(N)	7 5/16


PART NO. 300R
1/4 Bend, Reducing
 ALL HUB

SIZE	A	B
2 x 1 1/2	2 7/16	2 5/16

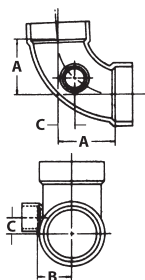

^(F) Fabricated

^(N) Not a sanitary pattern

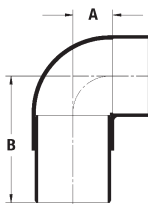
Note: Shading indicates available in PVC only.

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

SIZE	HUB X HUB		
	A	B	C
3 x 3 x 1½	3 ⁵ / ₆₄	1 ⁷ / ₈	1 ¹⁵ / ₁₆
3 x 3 x 2	3 ⁵ / ₆₄	1 ⁷ / ₈	1 ¹⁵ / ₁₆

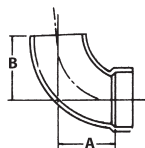

PART NO. PVC 301
Vent 1/4 Bend, Street

SIZE	HUB X SPIGOT	
	A	B
8 ^(F)	4½	13½
10 ^(F)	6¼	18¾
12 ^(F)	7 ⁵ / ₁₆	18 ¹³ / ₁₆


PART NO. 302
1/4 Bend, Street

(Sanitary 90° Street Ell)

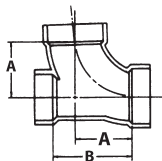
SIZE	SPIGOT X HUB	
	A	B
1¼	1 ⁵ / ₈	2 ⁵ / ₁₆
1½	1¾	2½
2	2 ⁵ / ₁₆	3 ³ / ₁₆
3	3 ¹ / ₁₆	4 ⁹ / ₁₆
4	3 ⁷ / ₈	5 ⁵ / ₈
6	5 ³ / ₁₆	8 ¹ / ₈
8	6 ¹ / ₈	10
10 ^(F)	14 ⁷ / ₁₆	19¾
12 ^(F)	16 ³ / ₈	19
14 ^(F)	16 ¹ / ₄	23 ⁹ / ₁₆
16 ^(F)	19 ⁷ / ₈	23 ⁷ / ₁₆


^(F) Fabricated

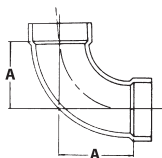
Note: Shading indicates available in PVC only.

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

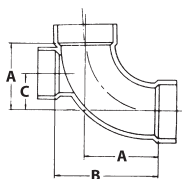
SIZE	ALL HUB	
	A	B
3 x 3 x 1½	3 ¹ / ₁₆	4 ³ / ₁₆
3 x 3 x 2	3 ¹ / ₁₆	4 ⁷ / ₁₆
4 x 4 x 2	3 ⁷ / ₈	5 ⁷ / ₁₆


PART NO. 304
Long Sweep 1/4 Bend

SIZE	HUB X HUB
	A
1½	2 ³ / ₄
2	3 ¹ / ₄
3	4 ¹ / ₁₆
4	4 ¹⁵ / ₁₆
6	9


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

SIZE	ALL HUB		
	A	B	C
3 x 3 x 2	4 ¹ / ₁₆	5 ⁵ / ₈	2 ¹ / ₄

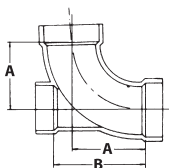


Note: Shading indicates available in PVC only.

PART NO. 307

**Long Sweep 1/4 Bend
with Low Heel Inlet**

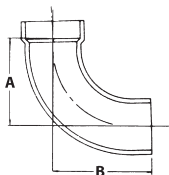
SIZE	ALL HUB	
	A	B
3 x 3 x 1 1/2*	4 1/16	4 3/4
3 x 3 x 2	4 1/16	4 15/16



PART NO. 309

Long Sweep 1/4 Bend, Street

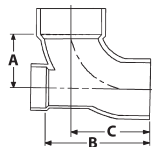
SIZE	HUB X SPIGOT	
	A	B
1 1/2	2 3/4	3 19/32
2	3 1/4	4 1/8
3	4 5/32	5 9/16
4	4 15/16	6 11/16



PART NO. 310

**1/4 Bend, Street
with Low Heel Inlet**

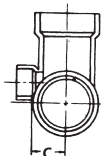
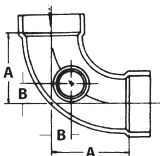
SIZE	HUB X SPIGOT X HUB		
	A	B	C
3 x 3 x 2	3 1/16	5 15/16	4 9/16



PART NO. PVC 311

**Long Sweep 1/4 Bend,
with Side Inlet**

SIZE	ALL HUB		
	A	B	C
3 x 3 x 2	4 1/16	1 3/8	1 3/4

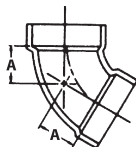


* Available in ABS only
 Note: Shading indicates available in PVC only.

PART NO. 319

1/6 Bend
 (60° Ell)
 HUB X HUB

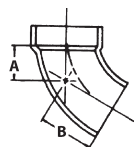
SIZE	A
1½	1
2	1 ⁵ / ₁₆
3	1 ¹¹ / ₁₆
4	2 ¹ / ₁₆



PART NO. 320

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

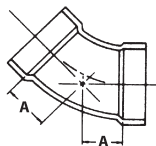
SIZE	A	B
1½	1	1¾
2	1 ⁵ / ₁₆	2 ³ / ₁₆
3	1 ¹¹ / ₁₆	3 ³ / ₁₆
4	2 ¹ / ₁₆	3 ¹³ / ₁₆



PART NO. 321

1/8 Bend
 (45° Ell)
 HUB X HUB

SIZE	A
1¼	1
1½	1 ¹ / ₈
2	1 ¹ / ₂
3	1 ³ / ₄
4	2 ³ / ₁₆
6	2 ¹ / ₁₆
8	2 ¹ / ₁₆
10	3 ¹ / ₈
12	3 ³¹ / ₆₄
14 ^(F)	8 ¹ / ₄
16 ^(F)	10 ⁵ / ₁₆



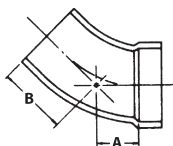
(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 323

1/8 Bend, Street
 (45° Street Ell)
 SPIGOT X HUB

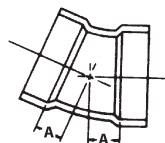
SIZE	A	B
1 1/4	1	1 3/4
1 1/2	1 1/8	1 7/8
2	1 1/2	2 3/8
3	1 3/4	3 1/4
4	2 3/16	3 15/16
6	2 1/16	5 15/64
8	2	6 3/32
10	3 1/8	8 5/32
12	3 31/64	9 1/2
14 ^(F)	9 3/8	15 9/16
16 ^(F)	10 5/16	18 1/2



PART NO. 324

1/16 Bend
 (22 1/2° Ell)
 HUB X HUB

SIZE	A
1 1/2	1/2
2	1 1/16
3	1 3/16
4	1
6	1 1/2
8	1 1/2
10	2
12	2
14 ^(F)	5 1/4
16 ^(F)	5 13/16



(F) Fabricated

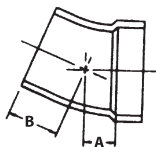
Note: Shading indicates available in PVC only.

PART NO. 326
1/16 Bend, Street

(22½° Street Ell)

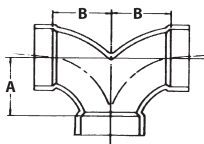
SPIGOT X HUB

SIZE	A	B
1½	½	1¼
2	1¹⁄₁₆	1½
3	1³⁄₁₆	2⁵⁄₁₆
4	1	2¾
6	1½	5³⁄₆₄
8 ^(F)	6¹⁄₈	10¹⁵⁄₁₆
10 ^(F)	5¹¹⁄₁₆	11¾
12 ^(F)	5½	14¹⁄₁₆
14 ^(F)	6⁹⁄₁₆	13⁷⁄₈
16 ^(F)	8⁵⁄₁₆	16¾


PART NO. 327
Double 1/4 Bend

ALL HUB

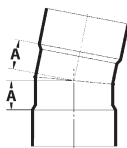
SIZE	A	B
1½	1¾	1¾
2	2⁵⁄₁₆	2⁵⁄₁₆
3	3¹⁄₁₆	3¹⁄₁₆
2 x 1½ x 1½	1¹⁵⁄₁₆	2³⁄₁₆


^(F) Fabricated

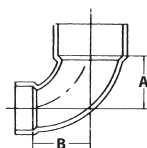
Note: Shading indicates available in PVC only.

PART NO. PVC 328
1/32 Bend

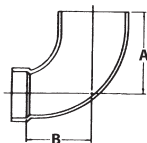
HUB X HUB	
SIZE	A
8 ^(F)	5 ¹ / ₈
10 ^(F)	5 ⁷ / ₈
12 ^(F)	5 ¹¹ / ₁₆


PART NO. 329
Closet Bend, Reducing

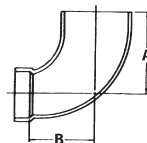
HUB X HUB		
SIZE	A	B
3 x 4	3	3 ³ / ₈


PART NO. 330
Closet Bend, Reducing

HUB X SPIGOT		
SIZE	A	B
3 x 4	6	3 ⁵ / ₈


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

HUB X SPIGOT		
SIZE	A	B
3 x 4*	6	3 ⁵ / ₈



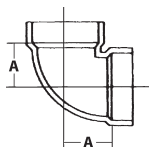
^(F) Fabricated

* Available in ABS only

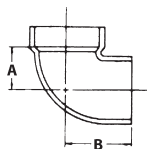
Note: Shading indicates available in PVC only.

PART NO. 331
Vent Ell
 (90° Short Turn Ell)
 HUB X HUB

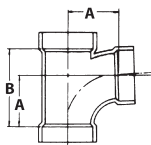
SIZE	A
1½	1 ³ / ₁₆
2	1½
3	1 ⁷ / ₈


PART NO. 333
Vent Ell, Street
 (90° Short Turn Street Ell)
 HUB X SPIGOT

SIZE	A	B
1½	1 ⁷ / ₃₂	1 ¹⁵ / ₁₆
2	1½	2 ³ / ₈
3	1 ⁷ / ₈	3½


PART NO. 400
Sanitary Tee
 ALL HUB

SIZE	A	B
1¼	1 ⁹ / ₁₆	2 ⁵ / ₁₆
1½	1¾	2¾
2	2 ⁵ / ₁₆	3 ¹¹ / ₁₆
3	3 ¹ / ₁₆	4 ⁷ / ₈
4	3 ⁷ / ₈	6 ¹ / ₈
6	5	8½
8	6	10½
10 ^(F)	16 ¹³ / ₃₂	16½
12 ^(F)	19 ¹ / ₈	19½



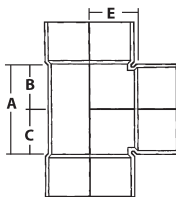
(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. PVC 400A
Straight Tee

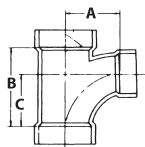
ALL HUB

SIZE	A	B	C	E
8 ^(N)	9	4½	4½	4½
10 ^(N)	12½	6¼	6¼	6 ⁵ / ₁₆
12 ^(N)	14 ⁷ / ₁₆	7 ⁷ / ₃₂	7 ⁷ / ₃₂	7¼
14 ^{(N)(F)}	21	10½	10½	11 ⁵ / ₈
16 ^{(N)(F)}	23 ⁷ / ₈	11 ¹⁵ / ₁₆	11 ¹⁵ / ₁₆	14 ³ / ₁₆


PART NO. 401
Sanitary Tee, Reducing

ALL HUB

SIZE	A	B	C
2 x 1½ x 1½	2 ³ / ₁₆	3 ¹ / ₈	1 ¹⁵ / ₁₆
2 x 1½ x 2	2 ⁵ / ₁₆	3 ¹¹ / ₁₆	2 ⁵ / ₁₆
2 x 2 x 1½	2 ³ / ₁₆	3 ¹ / ₈	1 ¹⁵ / ₁₆
3 x 3 x 1½	2 ⁹ / ₁₆	2 ¹¹ / ₁₆	1¾
3 x 3 x 2	2 ⁷ / ₈	3 ⁵ / ₁₆	2 ¹ / ₈
4 x 4 x 1½	3¼	3 ¹ / ₁₆	2
4 x 4 x 2	3 ⁵ / ₁₆	3 ³ / ₁₆	2 ¹ / ₁₆
4 x 4 x 3	3 ⁹ / ₁₆	4¾	3
6 x 6 x 4	4 ²⁷ / ₃₂	6 ³ / ₆₄	3 ²⁵ / ₃₂
8 x 8 x 4**	8¼	10½	4 ¹ / ₈
8 x 8 x 6**	7¾	10 ³¹ / ₆₄	6 ³ / ₆₄



(F) Fabricated

(N) Not a sanitary pattern

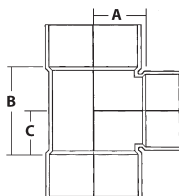
** Assembled from two molded components

Note: Shading indicates available in PVC only.

PART NO. PVC 401A
Straight Tee, Reducing

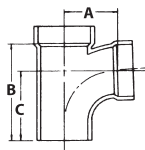
ALL HUB

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


PART NO. 403
Sanitary Tee, Street

SPIGOT X HUB X HUB

SIZE	A	B	C
1 ¹ / ₂	1 ³ / ₄	3 ¹ / ₂	2 ¹ / ₂
2	2 ⁵ / ₁₆	4 ⁹ / ₁₆	3 ⁷ / ₃₂
3	3	6 ³ / ₈	4 ⁹ / ₁₆
4	3 ⁷ / ₈	7 ⁷ / ₈	5 ⁵ / ₈


^(F) Fabricated

^(N) Not a sanitary pattern

** Assembled from two molded components

*** Assembled from three molded components

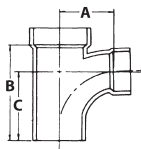
Note: Shading indicates available in PVC only.

PART NO. 404

Sanitary Tee, Street Reducing

SPIGOT X HUB X HUB

SIZE	A	B	C
2 x 1½ x 1½*	2 ⁵ / ₃₂	4	2 ²⁷ / ₃₂
2 x 1½ x 2*	2 ²⁵ / ₆₄	4½	3 ⁷ / ₃₂
2 x 2 x 1½	2 ¹ / ₈	4	2 ⁷ / ₈
3 x 3 x 1½	2 ⁹ / ₁₆	4 ³ / ₁₆	3¼
3 x 3 x 2	2 ⁷ / ₈	4 ³ / ₄	3 ⁵ / ₈
4 x 4 x 2	3 ⁵ / ₁₆	4 ¹⁵ / ₁₆	3 ¹³ / ₁₆

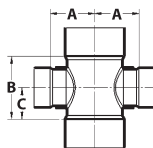


PART NO. PVC 410

Tee Cross

ALL HUB

SIZE	A	B	C
6 x 6 x 4 x 4 ^(F)	5 ¹¹ / ₁₆	9¼	4 ⁵ / ₈
6 x 6 x 6 x 6 ^(F)	6 ¹ / ₈	10 ³ / ₄	5 ³ / ₈
8 x 8 x 4 x 4 ^(F)	6 ⁵ / ₁₆	8 ⁷ / ₈	4 ⁷ / ₁₆
8 x 8 x 6 x 6 ^(F)	7 ⁷ / ₃₂	10 ⁷ / ₈	5 ⁷ / ₁₆
8 x 8 x 8 x 8 ^(F)	8 ⁵ / ₁₆	13 ¹ / ₈	6 ⁹ / ₁₆
10 x 10 x 4 x 4 ^(F)	7¾	12	6
10 x 10 x 6 x 6 ^(F)	8½	11½	5¾
10 x 10 x 8 x 8 ^(F)	8 ⁷ / ₈	13½	6¾
10 x 10 x 10 x 10 ^(F)	8	18 ³ / ₈	9 ³ / ₁₆
12 x 12 x 4 x 4 ^(F)	8 ⁷ / ₈	10	5
12 x 12 x 6 x 6 ^(F)	9¾	12	6
12 x 12 x 8 x 8 ^(F)	9 ⁷ / ₈	15 ³ / ₄	7 ⁷ / ₈
12 x 12 x 10 x 10 ^(F)	10¼	16	8
12 x 12 x 12 x 12 ^(F)	9 ¹ / ₈	21	10½

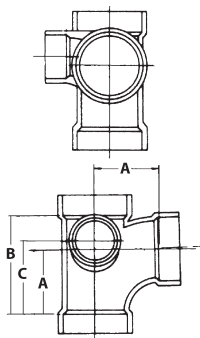
^(F) Fabricated

* Available in ABS only

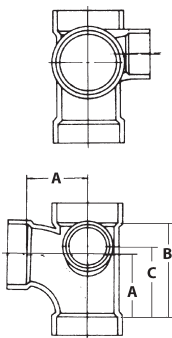
Note: Shading indicates available in PVC only.

PART NO. 416
Sanitary Tee with Left Side Inlet

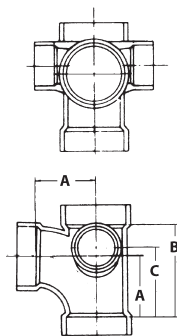
SIZE	ALL HUB		
	A	B	C
3 x 3 x 3 x 1½	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
3 x 3 x 3 x 2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4 x 4 x 4 x 2	3 ⁷ / ₈	6 ¹ / ₈	5


PART NO. 417
Sanitary Tee with Right Side Inlet

SIZE	ALL HUB		
	A	B	C
3 x 3 x 3 x 1½	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
3 x 3 x 3 x 2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4 x 4 x 4 x 2	3 ⁷ / ₈	6 ¹ / ₈	5


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

SIZE	ALL HUB		
	A	B	C
3 x 3 x 3 x 2 x 2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4 x 4 x 4 x 2 x 2	3 ⁷ / ₈	6 ¹ / ₈	5



Note: Shading indicates available in PVC only.

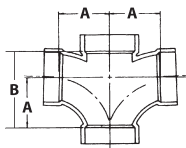
PART NO. 428

Double Sanitary Tee

(Sanitary Cross)

ALL HUB

SIZE	A	B
1½	1¾	2¾
2	2 ⁵ / ₁₆	3 ¹¹ / ₁₆
3	3 ¹ / ₁₆	4 ⁷ / ₈
4	3 ⁷ / ₈	6 ¹ / ₈



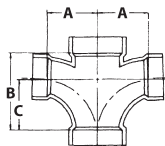
PART NO. 429

Double Sanitary Tee, Reducing

(Sanitary Cross)

ALL HUB

SIZE	A	B	C
2 x 2 x 1½ x 1½	2 ³ / ₁₆	3 ¹ / ₈	1 ¹⁵ / ₁₆
3 x 3 x 1½ x 1½	2 ⁹ / ₁₆	2 ¹¹ / ₁₆	1¾
3 x 3 x 2 x 2	2 ⁷ / ₈	3 ⁵ / ₁₆	2 ¹ / ₈
4 x 4 x 2 x 2	3 ⁵ / ₁₆	3 ³ / ₁₆	2 ¹ / ₁₆
4 x 4 x 3 x 3	3 ⁹ / ₁₆	4¾	3



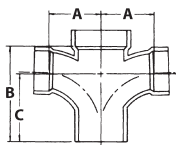
PART NO. PVC 431

**Double Sanitary Tee
Street, Reducing**

(Sanitary Cross)

SPIGOT X HUB X HUB X HUB

SIZE	A	B	C
3 x 3 x 1½ x 1½	2 ⁹ / ₁₆	4 ³ / ₁₆	3¼



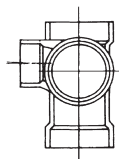
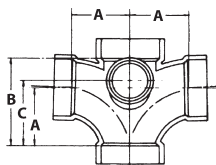
Note: Shading indicates available in PVC only.

PART NO. PVC 438
Double Sanitary Tee with Side Inlet

(Sanitary Cross)

ALL HUB

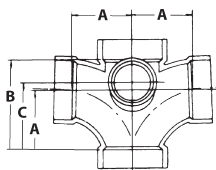
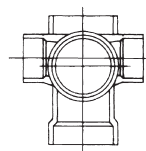
SIZE	A	B	C
3x3x3x3x2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4x4x4x4x2	3 ⁷ / ₈	6 ¹ / ₈	5


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

(Sanitary Cross)

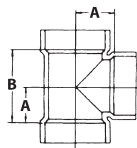
ALL HUB

SIZE	A	B	C
3x3x3x3x2x2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4x4x4x4x2x2	3 ⁷ / ₈	6 ¹ / ₈	5


PART NO. 441
Vent Tee

ALL HUB

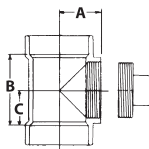
SIZE	A	B
1 ¹ / ₂	1 ³ / ₁₆	2 ³ / ₈
2	1 ¹ / ₂	3
3	1 ⁷ / ₈	3 ³ / ₄
4	2 ¹ / ₂	5



Note: Shading indicates available in PVC only.

PART NO. 444X
Cleanout Tee with Cleanout Plug

SIZE	HUB X HUB X FPT		
	A	B	C
1½	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ³ / ₁₆
2	2¼	3	1½
3	2 ¹ / ₁₆	3 ⁷ / ₈	1 ¹⁵ / ₁₆
4	3 ³ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆
6	4	8	4
6 x 6 x 4**	8	8	4
8	5¼	10½	5 ⁵ / ₃₂
8 x 8 x 4 ^(F)	7¾	9¼	4 ⁵ / ₈
8 x 8 x 6***	8¼	11¼	5 ⁵ / ₈
10	12 ³ / ₄	12½	6¼
10 x 10 x 4 ^(F)	8 ⁷ / ₈	9¾	4 ⁷ / ₈
10 x 10 x 6 ^(F)	10 ⁵ / ₈	11¾	5 ⁷ / ₈
10 x 10 x 8	10 ³ / ₈	10 ³ / ₈	5 ³ / ₁₆
12	13 ³ / ₈	14½	7¼
12 x 12 x 4 ^(F)	9 ¹ / ₁₆	10	5
12 x 12 x 6**	9 ⁵ / ₁₆	12 ¹ / ₈	6 ¹ / ₁₆
12 x 12 x 8	11 ⁵ / ₃₂	10¼	6 ¹ / ₃₂
12 x 12 x 10 ^(F)	13 ⁵ / ₁₆	12½	6¼



See Part No. 106
for plug dimensions.

^(F) Fabricated

** Assembled from two molded components

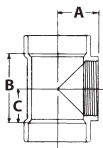
*** Assembled from three molded components

Note: Shading indicates available in PVC only.

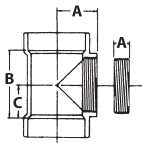
PART NO. 445
Cleanout Tee

HUB X HUB X FPT

SIZE	A	B	C
1½	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ³ / ₁₆
2	2¼	3	1½
3	2 ¹¹ / ₁₆	3 ⁷ / ₈	1 ¹⁵ / ₁₆
4	3 ³ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆
6	4	8	4
8	5¼	10½	5 ⁵ / ₃₂
8 x 8 x 4 ^(F)	7¾	9¼	4 ⁵ / ₈
8 x 8 x 6 ^(F)	8¼	11¼	5 ⁵ / ₈
10	8¼	12½	6¼
10 x 10 x 4 ^(F)	8 ¹¹ / ₁₆	11¾	5 ⁷ / ₈
10 x 10 x 6 ^(F)	10 ⁵ / ₈	11¾	5 ⁷ / ₈
10 x 10 x 8	10 ³ / ₈	10 ³ / ₈	5 ³ / ₁₆
12	9¼	14 ³ / ₈	7 ³ / ₁₆
12 x 12 x 4 ^(F)	9 ¹¹ / ₁₆	10	5
12 x 12 x 6 ^(F)	9 ⁵ / ₁₆	12 ¹ / ₈	6 ¹ / ₁₆
12 x 12 x 8	11 ⁵ / ₃₂	10¼	6 ¹ / ₃₂
12 x 12 x 10 ^(F)	13 ⁵ / ₁₆	12½	6¼


PART NO. 445X
Flush Cleanout Tee with Cleanout Plug

For dimensions see Part Numbers 445 and 110.

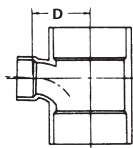
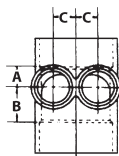

^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. PVC 447

Horizontal Twin Tee

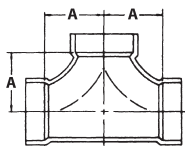
SIZE	ALL HUB			
	A	B	C	D
3 x 3 x 1½ x 1½	7/8	1¾	1³/₃₂	2⁹/₁₆



PART NO. 448

Two-Way Cleanout

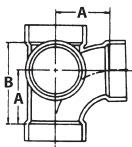
SIZE	ALL HUB
	A
3	4¹/₁₆
4	4¹⁵/₁₆



PART NO. PVC 449

Sanitary Tee with 2" Left Hand Sanitary Inlet on Center

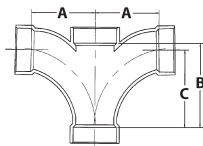
SIZE	ALL HUB	
	A	B
2	2⁵/₁₆	3¹¹/₁₆



PART NO. 500

Double Fixture Fitting

SIZE	ALL HUB		
	A	B	C
2	3½	4⁵/₈	4¼
2 x 1½ x 1½ x 1½	2⁷/₈	3½	3¹/₈
2 x 1½ x 2 x 2*	3½	4⁵/₈	4¼
2 x 2 x 1½ x 1½	2⁷/₈	3½	3¹/₈
3	4¹⁵/₁₆	6¾	6¼
3 x 2 x 3 x 3*	4¹⁵/₁₆	6¹⁵/₁₆	6¼



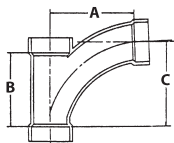
* Available in ABS only

Note: Shading indicates available in PVC only.

PART NO. 501
Combination Wye & 1/8 Bend

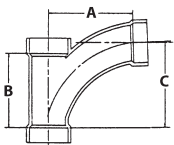
 (One Piece)
 ALL HUB

SIZE	A	B	C
1½	3 ¹⁵ / ₁₆	3½	3 ¹⁵ / ₁₆
2	5 ¹ / ₈	4 ⁷ / ₁₆	5 ¹ / ₈
3	7 ⁹ / ₁₆	6½	7 ⁹ / ₁₆
4	10	8½	10


PART NO. 502
**Combination Wye & 1/8 Bend,
 Reducing**

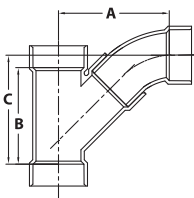
 (One Piece)
 ALL HUB

SIZE	A	B	C
2 x 1½ x 1½	4 ³ / ₁₆	3½	3 ¹⁵ / ₁₆
2 x 2 x 1½	4 ³ / ₁₆	3½	3 ¹⁵ / ₁₆
3 x 3 x 1½	4¾	3½	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	4½	5 ¹ / ₈
4 x 4 x 3	8 ¹ / ₁₆	6½	7 ⁹ / ₁₆


PART NO. PVC 503
Combination Wye & 1/8 Bend

 (Two Pieces)
 ALL HUB

SIZE	A	B	C
6**§	11 ¹⁵ / ₃₂	10 ¹ / ₈	11 ⁹ / ₆₄
8**§	14 ¹⁹ / ₃₂	14 ¹ / ₈	14 ²³ / ₃₂
10**§	18½	16½	18¼
12**§	21½	19½	21½
14 ^{(F)∞}			
16 ^{(F)∞}			



(F) Fabricated

** Assembled from two molded components

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

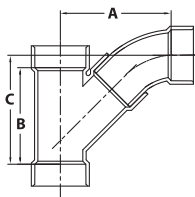
∞ Fitting shipped with street bend strapped to fitting.

Note: Shading indicates available in PVC only.

PART NO. PVC 504

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

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



(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.

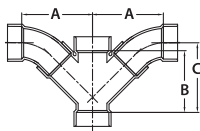
Note: Shading indicates available in PVC only.

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

(Three Pieces or Five Pieces)

ALL HUB

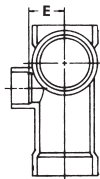
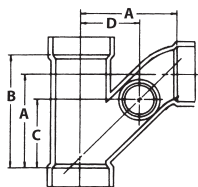
SIZE	A	B	C
4	9 ¹³ / ₃₂	8 ¹ / ₄	9 ⁵ / ₃₂
2 x 2 x 1 ¹ / ₂ x 1 ¹ / ₂	4 ⁷ / ₈	4 ³ / ₈	4 ¹⁵ / ₁₆
3 x 3 x 2 x 2	6 ⁵ / ₆₄	4 ¹⁵ / ₁₆	5 ¹¹ / ₆₄
4 x 4 x 2 x 2	7 ⁵ / ₁₆	5	6
4 x 4 x 3 x 3	8 ¹⁹ / ₆₄	6 ⁵ / ₈	7 ¹⁹ / ₃₂
6 x 6 x 4 x 4 [§]	11 ²¹ / ₃₂	10 ¹ / ₈	10 ³ / ₁₆


PART NO. PVC 515
Combination Wye & 1/8 Bend

with Left Side Inlet

ALL HUB

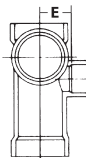
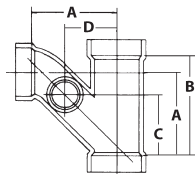
SIZE	A	B	C	D	E
3 x 3 x 3 x 2	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈


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	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈



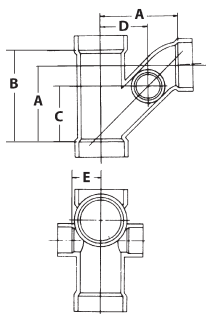
§ Fitting shipped with any required bushing(s) installed, street bend strapped to fitting; assembled from molded components.

Note: Shading indicates available in PVC only.

PART NO. PVC 517

**Combination Wye & 1/8 Bend
 with Left & Right Side Inlets**

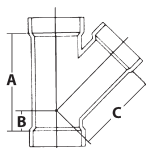
ALL HUB					
SIZE	A	B	C	D	E
3x3x3x2x2	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈



PART NO. 600

**Wye
 (45° Wye)
 ALL HUB**

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



(F) Fabricated

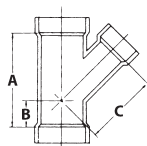
Note: Shading indicates available in PVC only.

PART NO. 601

Wye, Reducing

(45° Wye)
ALL HUB

SIZE	A	B	C
2 x 1½ x 1½	3½	1½ ₁₆	2 ¹⁵ / ₁₆
2 x 1½ x 2	4½	1	3 ⁷ / ₁₆
2 x 2 x 1½	4 ³ / ₈	1½ ₁₆	3 ⁷ / ₁₆
3 x 3 x 1½	4¼	½	4 ⁵ / ₁₆
3 x 3 x 2	5	7 ₈	4 ⁵ / ₈
4 x 4 x 1½	5	0	6
4 x 4 x 2	5 ¹ / ₁₆	3 ₈	5 ⁹ / ₁₆
4 x 4 x 3	6 ⁵ / ₈	1½ ₁₆	6
6 x 6 x 3	7 ¹ / ₁₆	¼	7½
6 x 6 x 4	6 ⁷ / ₈	3 ₁₆	7½
8 x 8 x 4**	10 ⁷ / ₁₆	1	11 ⁹ / ₁₆
8 x 8 x 6	10 ⁷ / ₁₆	1	9 ¹³ / ₁₆
10 x 10 x 4**	14¼	1 ³ / ₈	15 ¹⁵ / ₁₆
10 x 10 x 6**	14¼	1 ³ / ₈	15
10 x 10 x 8	14¼	1 ³ / ₈	13 ¹ / ₁₆
12 x 12 x 4**	13½	½	16 ²³ / ₃₂
12 x 12 x 6**	13½	½	15 ²⁹ / ₆₄
12 x 12 x 8	13 ¹⁹ / ₃₂	½	13 ⁷ / ₈
12 x 12 x 10	17 ¹ / ₁₆	1 ⁷ / ₈	15 ³ / ₃₂
14 x 14 x 4 ^(F)	12 ³ / ₈	1 ³⁷ / ₆₄	15 ²³ / ₆₄
14 x 14 x 6 ^(F)	15 ⁵¹ / ₆₄	1 ⁵ / ₆₄	18 ³⁷ / ₆₄
14 x 14 x 8 ^(F)	15 ⁴⁹ / ₆₄	3 ¹ / ₆₄	16 ⁵¹ / ₆₄
14 x 14 x 10 ^(F)	18 ⁵⁷ / ₆₄	3 ⁴³ / ₆₄	18 ²⁹ / ₃₂
14 x 14 x 12 ^(F)	25 ⁷ / ₈	5 ⁹ / ₁₆	20
16 x 16 x 4 ^(F)	12 ¹¹ / ₁₆	1 ⁹ / ₁₆	15¼
16 x 16 x 6 ^(F)	15 ³ / ₄	3 ₁₆	17 ³ / ₁₆
16 x 16 x 8 ^(F)	18 ⁷ / ₁₆	1 ⁹ / ₁₆	18 ³ / ₈
16 x 16 x 10 ^(F)	23	3½	19 ⁵ / ₈
16 x 16 x 12 ^(F)	26 ³ / ₈	4½	21 ³ / ₄
16 x 16 x 14 ^(F)	27½	5¼	23 ⁹ / ₁₆

^(F) Fabricated

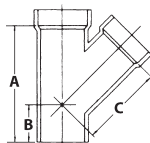
** Assembled from two molded components.

Note: Shading indicates available in PVC only.

PART NO. 602

Wye, Street
 (45° Wye)
 SPIGOT X HUB X HUB

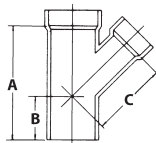
SIZE	A	B	C
1½	4¾	1⅞	2⅞
2	5⅞	2¼	3⅝
3	8⅞	3⅞	5
4	9 ¹⁵ / ₁₆	3 ⁵ / ₈	6¼



PART NO. 603

Wye, Street, Reducing
 (45° Wye)
 SPIGOT X HUB X HUB

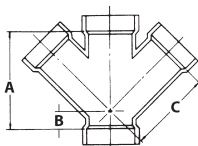
SIZE	A	B	C
3 x 3 x 1½	5¾	2	4 ⁷ / ₃₂
3 x 3 x 2	6½	2 ³ / ₈	4 ⁵ / ₈
4 x 4 x 2	6 ²³ / ₃₂	2⅞	5 ¹⁵ / ₆₄
4 x 4 x 3	8 ³ / ₈	2 ¹³ / ₁₆	6



PART NO. 611

Double Wye
 (Double 45° Wye)
 ALL HUB

SIZE	A	B	C
1½	4	1⅞	2⅞
2	5	1 ³ / ₈	3⅝
3	6 ⁵ / ₈	1 ⁵ / ₈	5
4	8¼	1⅞	6 ³ / ₈
6	10 ³ / ₁₆	1¾	8 ⁷ / ₁₆
8 ^(F)	19 ¹ / ₁₆	4 ⁷ / ₈	13 ⁵ / ₈
10 ^(F)	22 ¹ / ₁₆	5 ¹¹ / ₁₆	16¼
12 ^(F)	19 ⁵ / ₁₆	6 ⁷ / ₈	25 ⁷ / ₈
14 ^(F)	28 ⁷ / ₁₆	7⅞	20 ³ / ₈



(F) Fabricated

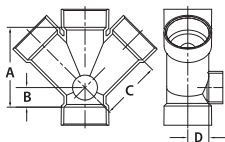
Note: Shading indicates available in PVC only.

PART NO. PVC 611S
Double Wye with 2" Side Inlet

(Double 45° Wye)

ALL HUB

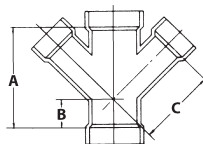
SIZE	A	B	C	D
3 x 3 x 3 x 2	6 ⁵ / ₈	1 ⁵ / ₈	5	1 ³ / ₄


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


^(F) Fabricated

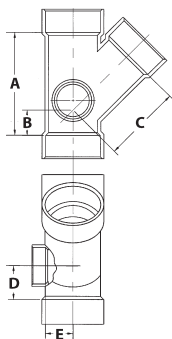
** Assembled from two molded components.

Note: Shading indicates available in PVC only.

PART NO. PVC 625

Wye with Left Side Inlet

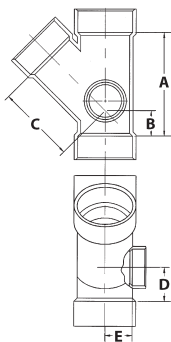
SIZE	ALL HUB				
	A	B	C	D	E
3x3x3x2	6 ⁵ / ₈	1 ⁵ / ₈	5	2 ¹ / ₄	1 ³ / ₄
4x4x4x2	8 ¹ / ₄	1 ⁷ / ₈	6 ³ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆



PART NO. PVC 626

Wye with Right Side Inlet

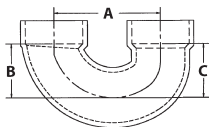
SIZE	ALL HUB				
	A	B	C	D	E
3x3x3x2	6 ⁵ / ₈	1 ⁵ / ₈	5	2 ¹ / ₄	1 ³ / ₄
4x4x4x2	8 ¹ / ₄	1 ⁷ / ₈	6 ³ / ₈	2 ¹ / ₂	3 ⁵ / ₁₆



PART NO. 700

Return Bend

SIZE	HUB X HUB		
	A	B	C
1 ¹ / ₂	3 ¹ / ₂	1 ³ / ₄	1 ³ / ₄
2	5 ⁷ / ₃₂	2 ³ / ₈	2 ³ / ₈
3	6 ³ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
4	8 ¹ / ₂	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆

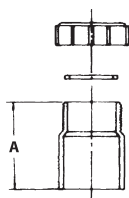


Note: Shading indicates available in PVC only.

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

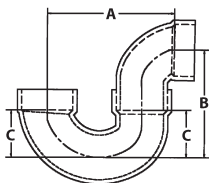
SPIGOT X SLIP

SIZE	A
1½ ^(C)	2 ³ / ₁₆


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

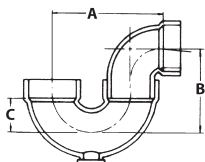
HUB X HUB

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

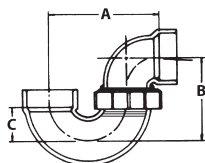
HUB X HUB

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


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

HUB X HUB

SIZE	A	B	C
1¼	4 ⁹ / ₁₆	3 ¹ / ₂	1 ³ / ₈
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1 ³ / ₄
2	6 ¹³ / ₁₆	4 ⁷ / ₈	2 ³ / ₈



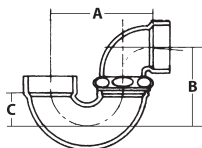
* Available in ABS only; contact sales office for availability.

(C) Contact sales office for availability.

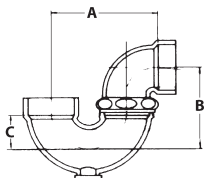
Note: Shading indicates available in PVC only.

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

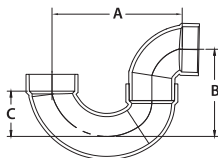
SIZE	HUB X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1¾


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

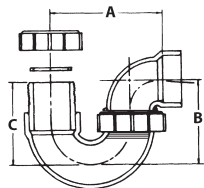
SIZE	HUB X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1¾


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

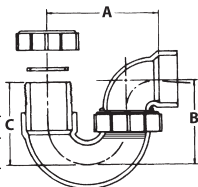
SIZE	HUB X HUB		
	A	B	C
2	6 ¹³ / ₁₆	4 ⁹ / ₁₆	2 ³ / ₈


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

SIZE	SLIP X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	3¾


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

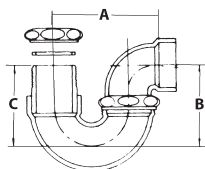
SIZE	SLIP X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	3¾



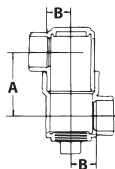
Note: Shading indicates available in PVC only.

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

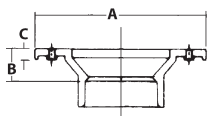
SIZE	SLIP X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	3 ³ / ₄


PART NO. 720X
Drum Trap
 HUB X HUB

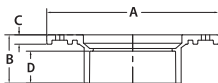
SIZE	A	B
3 X 6 X 1½	4 ¹³ / ₁₆	1 ¹¹ / ₁₆


PART NO. 800 & 800K
Closet Flange
 HUB END

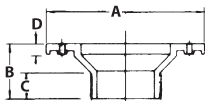
SIZE	A	B	C
4 X 3	7	1¼	7/16
4 X 4 ^ø	7	1¼	7/16


PART NO. ABS 800S*
Closet Flange with Stop
 HUB END

SIZE	A	B	C	D
4 X 3*	7	2¼	7/16	1½


PART NO. 801
Closet Flange, Reducing
 SPIGOT

SIZE	A	B	C	D
4 X 3	7	2¾	1 ²¹ / ₃₂	7/16



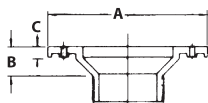
◇ 800K, 4"x4" not available in ABS

* Available in ABS only

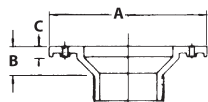
Note: Shading indicates available in PVC only.

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

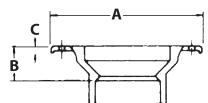
SIZE	HUB END		
	A	B	C
4 X 3	7	1 $\frac{1}{8}$	$\frac{7}{16}$


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

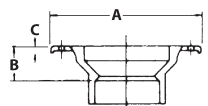
SIZE	HUB END		
	A	B	C
4 X 3*	7	1 $\frac{1}{8}$	$\frac{7}{16}$
4 X 4*	7	1 $\frac{1}{8}$	$\frac{7}{16}$


PART NO. 811
Closet Flange, Adjustable with Metal Ring

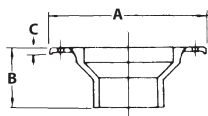
SIZE	HUB END		
	A	B	C
4 X 3	7	1 $\frac{1}{4}$	$\frac{1}{4}$
4 X 4	7	1 $\frac{1}{8}$	$\frac{1}{4}$


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

SIZE	HUB END		
	A	B	C
4 X 3	7	1 $\frac{1}{4}$	$\frac{1}{4}$


PART NO. 812
Closet Flange, Adjustable with Metal Ring

SIZE	SPIGOT		
	A	B	C
4 X 3	7	2 $\frac{5}{8}$	$\frac{1}{4}$
4 X 4	7	2 $\frac{5}{8}$	$\frac{1}{4}$

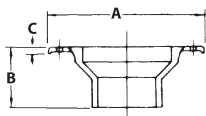


* Available in ABS only

Note: Shading indicates available in PVC only.

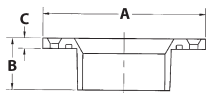
PART NO. 812P**Closet Flange, Adjustable with Plastic Ring**

SIZE	SPIGOT		
	A	B	C
4 x 3	7	2 ⁵ / ₈	7/16
4 x 4	7	2 ⁵ / ₈	7/16

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

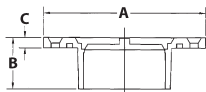
(Fits Over 3" Pipe or Inside 4" Pipe)

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

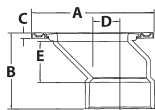
**PART NO. 815K****Flush Closet Flange with Knockout**

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

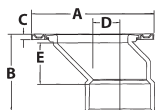
SIZE	HUB		
	A	B	C
4 x 4 / 4 x 3	7	2 ⁷ / ₃₂	7/16

**PART NO. 820****Offset Closet Flange, Adjustable with Metal Ring**(1¹/₂" Offset)

SIZE	HUB				
	A	B	C	D	E
4 x 3	7	4 ⁵ / ₁₆	1/4	1 ¹ / ₂	2 ⁵ / ₁₆

**PART NO. 820P****Offset Closet Flange, Adjustable with Plastic Ring**(1¹/₂" Offset)

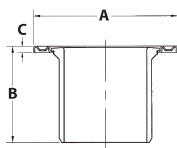
SIZE	HUB				
	A	B	C	D	E
4 x 3	7	4 ⁵ / ₁₆	7/16	1 ¹ / ₂	2 ⁵ / ₁₆



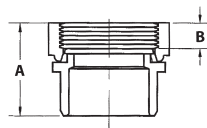
Note: Shading indicates available in PVC only.

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

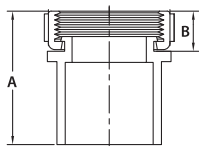
SIZE	SPIGOT		
	A	B	C
4*	7	4 ¹¹ / ₁₆	1/4


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

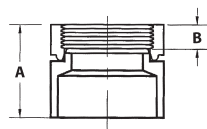
SIZE	SPG X FPT	
	A	B
1 ¹ / ₂	1 ²³ / ₃₂	15 ¹⁵ / ₃₂


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

SIZE	SPG X FPT	
	A	B
1 ¹ / ₂ *	2 ⁷ / ₁₆	15 ¹⁵ / ₃₂


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

SIZE	H X FPT	
	A	B
1 ¹ / ₂ *	1 ¹³ / ₁₆	15 ¹⁵ / ₃₂



* Available in ABS only

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"x10'	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.



⚠ WARNING

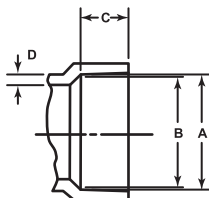
Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC pipe or fittings.
- NEVER test PVC / ABS / CPVC pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC pipe or fittings for water or approved chemicals.
- Refer to warnings on PPEA's website and ASTM D 1785.

AIR/GAS

PVC Thin Wall Schedule 30 Fittings

HUB DIMENSIONS



PVC Thin Wall SCH 30 Fittings Hub Dimensional Tolerances

SIZE	A	B	C	D
3.25 O.D.	3.265 ±.008	3.245 ±.008	1.500 MIN.	0.140 MIN.

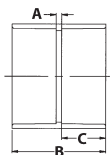
IPS Hub Dimensional Tolerances

SIZE	A	B	C	D
1½	1.915 +.010/-.005	1.894 ±.006	0.750 MIN.	0.156 MIN.
2	2.390 +.010/-.005	2.369 ±.006	0.875 MIN.	0.156 MIN.
3	3.520 +.010/-.005	3.498 ±.008	1.500 MIN.	0.218 MIN.
4	4.520 +.010/-.005	4.491 ±.009	1.500 MIN.	0.250 MIN.

PART NO. PVC 1100

Coupling
 HUB X HUB

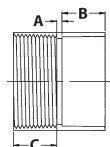
SIZE	A	B	C
3	$\frac{3}{16}$	$3\frac{7}{32}$	$1\frac{17}{32}$



PART NO. PVC 1101

Female Adapter
 FTP X HUB

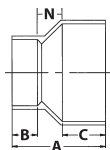
SIZE	A	B	C
3	$\frac{3}{16}$	$1\frac{1}{2}$	$1\frac{17}{32}$



PART NO. PVC 1102

Pipe In increaser-Reducer
 HUB X HUB

SIZE	A	B	C	N
$1\frac{1}{2} \times 3$	$2\frac{3}{4}$	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{4}$
2×3	$2\frac{3}{4}$	$\frac{7}{8}$	$1\frac{1}{2}$	$1\frac{1}{4}$
4×3	$4\frac{7}{32}$	$1\frac{9}{16}$	$1\frac{3}{4}$	$2\frac{7}{32}$

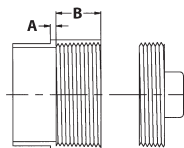


PART NO. PVC 1105X

Fitting Cleanout Adapter
 with Cleanout Plug

SPIGOT

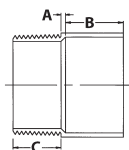
SIZE	A	B
3	$\frac{7}{32}$	$1\frac{17}{32}$



PART NO. PVC 1109

Male Adapter
 MPT X HUB

SIZE	A	B	C
3	$\frac{5}{16}$	$1\frac{1}{2}$	$1\frac{1}{2}$

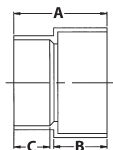


PART NO. PVC 1112

Reducer Bushing

HUB X SPIGOT

SIZE	A	B	C
3 x 1½	2 ⁵ / ₁₆	1½	¾
3 x 2	2 ⁷ / ₁₆	1½	2 ⁹ / ₃₂
4 x 3	2 ¹ / ₈	1¾	1 ⁵ / ₈

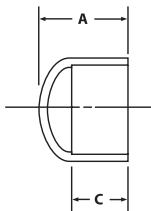


PART NO. PVC 1116

Cap

SOCKET

SIZE	A	C
3	2 ⁵ / ₁₆	1 ¹⁵ / ₁₆



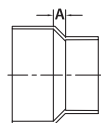
PART NO. PVC 1117

Adapter Coupling

(Adapts S&D Hub to DWV Hub)

SPIGOT X SPIGOT

SIZE	A
4 x 3	9/16



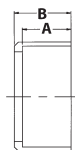
PART NO. PVC 1129

Hub Adapter

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

SPIGOT X HUB

SIZE	A	B
3 x 3	1½	1 ²⁵ / ₃₂

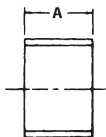


PART NO. PVC 1130

Repair Coupling

HUB X HUB

SIZE	A
3	3 ³ / ₁₆

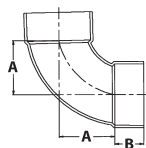


PART NO. PVC 1300

1/4 Bend

HUB X HUB

SIZE	A	B
3	2 ⁷ / ₈	1 ¹⁷ / ₃₂

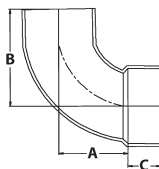


PART NO. PVC 1302

1/4 Bend, Street

SPIGOT X HUB

SIZE	A	B	C
3	2 ⁷ / ₈	4 ⁹ / ₃₂	1 ¹⁷ / ₃₂

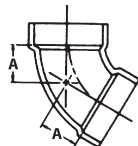


PART NO. PVC 1319

1/6 Bend

HUB X HUB

SIZE	A
3	1 ¹ / ₂

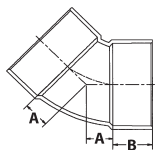


PART NO. PVC 1321

1/8 Bend

HUB X HUB

SIZE	A	B
3	1 ¹ / ₃₂	1 ¹⁷ / ₃₂

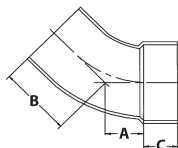


PART NO. PVC 1323

1/8 Bend, Street

SPIGOT X HUB

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

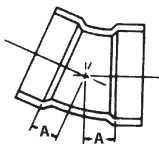


PART NO. PVC 1324

1/16 Bend

HUB X HUB

SIZE	A
3	1 ¹¹ / ₁₆

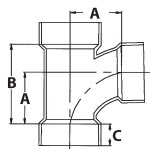


PART NO. PVC 1400

Sanitary Tee

HUB X HUB

SIZE	A	B	C
3	2 ³¹ / ₃₂	4 ¹ / ₂	1 ¹⁷ / ₃₂

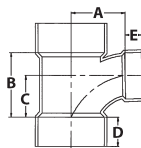


PART NO. PVC 1401

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 ³ / ₄
3 x 2	2 ⁷ / ₃₂	3 ³ / ₈	1 ³¹ / ₃₂	1 ¹ / ₂	7 ⁷ / ₈

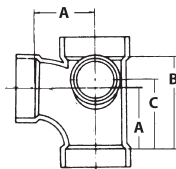
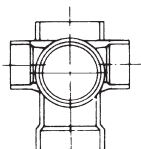


PART NO. PVC 1418

Sanitary Tee with Right & Left Side Inlets

ALL HUB

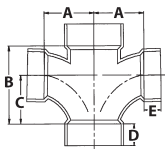
SIZE	A	B	C
3 x 3 x 3 x 1 ¹ / ₂ x 1 ¹ / ₂	2 ¹⁵ / ₁₆	4 ¹³ / ₃₂	2 ¹⁵ / ₁₆
3 x 3 x 3 x 2 x 2	2 ¹⁵ / ₁₆	4 ¹³ / ₃₂	2 ¹⁵ / ₁₆



PART NO. PVC 1429

Double Sanitary Tee, Reducing

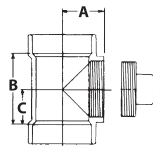
SIZE	HUB X HUB				
	A	B	C	D	E
3 X 1½	2¼	2 ²¹ / ₃₂	1 ²⁵ / ₃₂	1 ¹⁷ / ₃₂	2 ²⁵ / ₃₂



PART NO. PVC 1444X

Cleanout Tee with Cleanout Plug

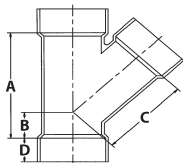
SIZE	HUB X HUB X FTP		
	A	B	C
3	2¾	3¾	1 ⁷ / ₈



See Part No. 106
for plug dimensions.

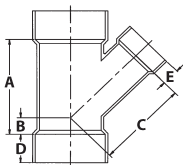
PART NO. PVC 1600

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



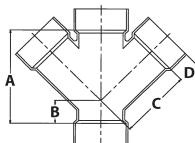
PART NO. PVC 1601

SIZE	Wye, Reducing HUB X HUB				
	A	B	C	D	E
3 X 1½	3 ¹¹ / ₁₆	¾	3½	1 ¹⁷ / ₃₂	2 ²⁵ / ₃₂
3 X 2	3 ¹¹ / ₁₆	¼	4 ³ / ₈	1 ¹⁷ / ₃₂	7 ⁷ / ₈



PART NO. PVC 1611

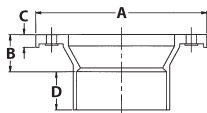
SIZE	Double Wye HUB X HUB			
	A	B	C	D
3	4 ²⁹ / ₃₂	1 ³ / ₁₆	4 ¹ / ₈	1 ¹⁷ / ₃₂



PART NO. PVC 1800

Closet Flange

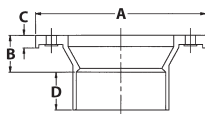
SIZE	HUB			
	A	B	C	D
4 X 3	7	1¼	7/16	1 ⁹ / ₁₆



PART NO. PVC 1800K

Closet Flange

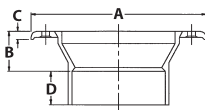
SIZE	HUB			
	A	B	C	D
4 X 3	7	1¼	7/16	1 ⁹ / ₁₆



PART NO. PVC 1811

Closet Flange, Adjustable with Metal Ring

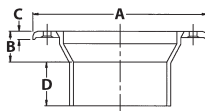
SIZE	HUB			
	A	B	C	D
4 X 3	6¾	1¼	¼	1½



PART NO. PVC 1812

Closet Flange, Adjustable with Metal Ring

SIZE	SPIGOT			
	A	B	C	D
4 X 3	6¾	1¼	¼	1½



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



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

WARNING

Testing with or use of compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings can result in explosive failures and cause severe injury or death.

AIR/GAS



- NEVER test with or transport/store compressed air or gas in PVC / ABS / CPVC / Cast Iron pipe or fittings.
- NEVER test PVC / ABS / CPVC / Cast Iron pipe or fittings with compressed air or gas, or air over water boosters.
- ONLY use PVC / ABS / CPVC / Cast Iron pipe or fittings for water or approved chemicals.
- Refer to warnings on PPFAs website and ASTM D 1785.

Charlotte and Charlotte Pipe are registered trademarks of Charlotte Pipe and Foundry Company.

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.

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