

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 July 1, 2011]

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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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.

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	28.1
ABS 3112	1½" x 20'	03133	5180	1.900	0.145	28.1
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	77.9
ABS 3300	3" x 20'	03137	1500	3.500	0.216	77.9
ABS 3400	4" x 10'	03138	480	4.500	0.237	111.4
ABS 3400	4" x 20'	03139	960	4.500	0.237	111.4
ABS 3600	6" x 10'	03140	200	6.625	0.280	196.2
ABS 3600	6" x 20'	03141	400	6.625	0.280	196.2

NSF Listed. Meets All Requirements of ASTM F 628.



NOTICE

NOT FOR PRESSURE

Do not use PVC / ABS 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 for water or approved chemicals.
- Refer to warnings in PPSA User Bulletin 4-80 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	1720	1.900	0.145	38.1
PVC 4112	1½" x 20'	04177	3440	1.900	0.145	38.1
PVC 4200	2" x 10'	04174	990	2.375	0.154	51.2
PVC 4200	2" x 20'	04173	1980	2.375	0.154	51.2
PVC 4300	3" x 10'	03934	1040	3.500	0.216	105.0
PVC 4300	3" x 20'	03935	920	3.500	0.216	105.0
PVC 4400	4" x 10'	03936	600	4.500	0.237	146.0
PVC 4400	4" x 20'	03937	1200	4.500	0.237	146.0
PVC 4600	6" x 10'	03938	280	6.625	0.280	247.0
PVC 4600	6" x 20'	03939	560	6.625	0.280	247.0
PVC 4800	8" x 20'	03941	360	8.625	0.322	371.0
PVC 4910	10" x 20'	03942	220	10.750	0.365	566.0
PVC 4912	12" x 20'	03943	120	12.750	0.406	755.0

PVC - DWV PIPE

PVC SCHEDULE 40 FOAM CORE (WHITE)			BELL-END			
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	105.0
PVC 4400B	4" x 10'	04783	540	4.500	0.237	146.0
PVC 4400B	4" x 20'	04784	1080	4.500	0.237	146.0
PVC 4600B	6" x 20'	04786	480	6.625	0.280	247.0

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 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 for water or approved chemicals.
- Refer to warnings in PPSFA User Bulletin 4-80 and ASTM D 1785.



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	3440'	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	.322	532.3

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

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 for water or approved chemicals.
- Refer to warnings in PPFA User Bulletin 4-80 and ASTM D 1785.

AIR/GAS

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"x10'	03945	2120'	1.660	.140	42.4
PVC 7100*	1 1/4"x20'	03946	4240'	1.660	.140	42.4
PVC 7112*	1 1/2"x10'	03947	1720'	1.900	.145	50.7
PVC 7112*	1 1/2"x20'	03948	3440'	1.900	.145	50.7
PVC 7200*	2"x10'	03949	990'	2.375	.154	68.1
PVC 7200*	2"x20'	03950	1980'	2.375	.154	68.1
PVC 4025‡	2 1/2"x20'	04205	1360'	2.875	.203	108.0
PVC 7300*	3"x10'	03951	1040'	3.500	.216	141.2
PVC 7300*	3"x20'	03952	920'	3.500	.216	141.2
PVC 7400†	4"x10'	03953	600'	4.500	.237	201.2
PVC 7400†	4"x20'	03954	1200'	4.500	.237	201.2
PVC 7500†	5"x20'	04837	760'	5.563	.258	272.5
PVC 7600†	6"x10'	03955	280'	6.625	.280	353.7
PVC 7600†	6"x20'	03956	560'	6.625	.280	353.7
PVC 7800†	8"x20'	03958	360'	8.625	.322	532.3
PVC 7910†	10"x20'	03959	220'	10.750	.365	754.7
PVC 7912†	12"x20'	03961	120'	12.750	.406	997.9
PVC 7914†	14"x20'	04862	60'	14.000	.437	1180.1
PVC 7916†	16"x20'	04918	60'	16.000	.500	1543.1

* Dual Marked ASTM D 1785 & ASTM D 2665.

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

‡ Dual Marked ASTM D 1785 & ASTM F 480.

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



⚠ 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 for water or approved chemicals.
- Refer to warnings in PPFA User Bulletin 4-80 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"	112.0	4.215	.120
S/M 6004	4"x20'	04009	1200	20'-0"	109.7	4.215	.120
S/M 6006	6"x10'	04013	280	10'-0"	252.0	6.275	.180
S/M 6006	6"x20'	04014	560	20'-0"	246.0	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

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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 for water or approved chemicals.
- Refer to warnings in PPSA User Bulletin 4-80 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	1.50	52.8
PVC 30040	4" x 10'	10905	500'	4.215	0.075	1.75	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	810'	3.250	0.070	1.50	52.8
PVC 30040P	4" x 10'	11815	500'	4.215	0.075	1.75	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.

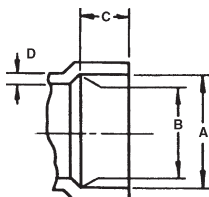
⚠ WARNING

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

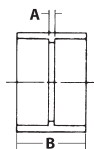
SIZE	A	B	C	D
1½	1.910	1.895	.687	.156
2	2.385	2.370	.750	.156
3	3.515	3.495	1.500	.218
4	4.515	4.495	1.750	.250
6	6.647	6.614	3.000	.281

PVC

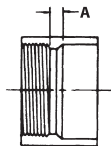
SIZE	A	B	C	D
1¼	1.675	1.650	.687	.156
1½	1.915	1.895	.687	.156
2	2.390	2.370	.750	.156
3	3.520	3.495	1.500	.218
4	4.520	4.495	1.750	.250
6	6.647	6.614	3.000	.281
8	8.655	8.610	4.000	.322
10	10.776	10.737	5.000	.365
12	12.778	12.736	6.000	.406

PART NO. 100
Coupling
 HUB X HUB

SIZE	A	B
1¼	⅛	1⅝
1½	⅛	1⅞
2	15/64	1¾
3	3/16	33/16
4	¼	3¾
6	¼	6¼
8	¼	8¼
10	5/16	103/8
12	3/8	137/16


PART NO. 101
Female Adapter
 FPT X HUB

SIZE	A
1½	¼
2	¼
3	5/16
4	11/32
6	¼
8	¼

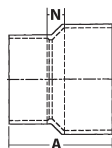


AVAILABLE IN PVC ONLY

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
6 x 10	9 ²⁷ / ₃₂	1 ⁷ / ₈
8 x 10	10¾	1 ¹ / ₁₆
6 x 12	13¾	4¾
8 x 12	12¾	2 ¹ / ₁₆
10 x 12	12¾	1 ¹¹ / ₁₆

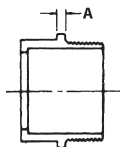


PART NO. 103

Trap Adapter-Male, Less Washer &

Metal Nut

SIZE	SPIGOT X SLIP	
	A	
1½ x 1¼	3/16	
1½	3/16	
2	3/16	

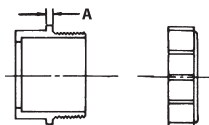


AVAILABLE IN PVC ONLY

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

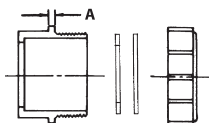
SPIGOT X SLIP

SIZE	A
1½ X 1¼	3/16
1½	3/16
2	3/16

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

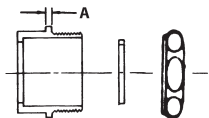
SPIGOT X SLIP WITH PLASTIC NUT

SIZE	A
1½	3/16

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

SPIGOT X SLIP

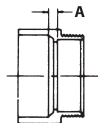
SIZE	A
1½ X 1¼	3/16
1½	3/16
2	3/16

**PART NO. 104**
Trap Adapter—Female

NOTE: NOT A MALE ADAPTER.

HUB X SLIP

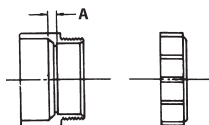
SIZE	A
1½ X 1¼	3/16
1½	3/16



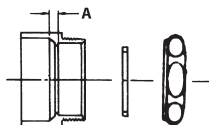
AVAILABLE IN PVC ONLY

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

HUB X SLIP	
SIZE	A
1½ X 1¼	3/16
1½	3/16

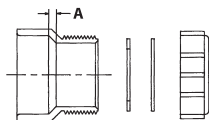

PART NO. 104X
Trap Adapter—Female, with Washer & Chrome Nut

HUB X SLIP	
SIZE	A
1¼	3/16
1½ X 1¼	3/16
1½	3/16

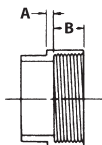

PART NO. 104R*
Trap Adapter—Female, with 1½" Plastic Nut & Washer & 1½" x 1¼" Washer

HUB X SLIP WITH PLASTIC NUT	
SIZE	A
1½	3/16

* ABS ONLY


PART NO. 105
Fitting Cleanout Adapter

SPIGOT X FPT		
SIZE	A	B
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

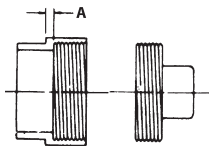


AVAILABLE IN PVC ONLY

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

SPIGOT X FPT

SIZE	A
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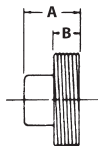
For dimensions see part numbers 105 and 106.

PART NO. 106
Cleanout Plug

MPT

SIZE	A	B
1½	1¾	5/8
2	1¾	5/8
2½*	1½	¾
3	1¾	¾
4	1¾	7/8
6	2	1
8	2¾	1¾

*ABS ONLY

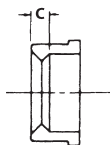


AVAILABLE IN PVC ONLY

PART NO. 107
Flush Bushing

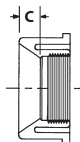
SPIGOT X HUB

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	1 1/8
4 x 3	1/2
6 x 4	1 3/4
8 x 4	2 7/8
8 x 6	1 5/8
10 x 6	2 15/32
10 x 8	1 1/2
12 x 4	5 19/32
12 x 6	4 1/4
12 x 8	1 13/16
12 x 10	1 17/32


PART NO. 108
Flush Bushing (Cleanout Adapter)

SPIGOT X FPT

SIZE	C
2 x 1½	5/16
8 x 6†	1 5/8
10 x 8	1 1/2
12 x 8	1 13/16



†PVC 108, 8"x6" is available only as a component part of PVC 444-X

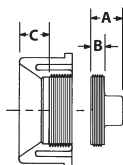
AVAILABLE IN PVC ONLY

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

SPIGOT

SIZE	A	B	C
10 x 8			
12 x 8			

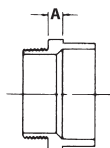
For dimensions see part numbers 106 and 108.


PART NO. 109
Male Adapter

MPT X HUB

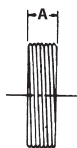
 NOTE: NOT A TRAP ADAPTER. WILL NOT ACCEPT A TAIL PIECE.
 SEE PART NUMBER 104

SIZE	A
1 1/4	3/16
1 1/4 X 1 1/2	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	5/8
3	3/4
4	3/4



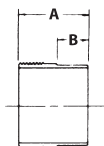
AVAILABLE IN PVC ONLY

PART NO. 111

Male Fitting Adapter

MPT X SPIGOT

SIZE	A	B
1½	1 ¹³ / ₁₆	¾
2	1 ¹⁵ / ₁₆	7/8



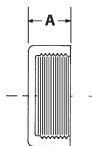
PART NO. 114*

Threaded Cap

FPT

SIZE	A
1½	¾

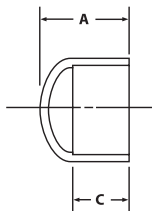
* ABS ONLY



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

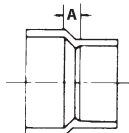


PART NO. 117

Adapter Coupling

ADAPTS SEWER AND DRAIN SPIGOT TO DWV SPIGOT
HUB X HUB

SIZE	A
4 x 3	¾
4 x 4	½

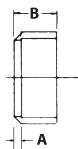


AVAILABLE IN PVC ONLY

PART NO. 118
Adapter Bushing

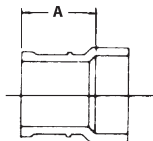
 ADAPTS DWV HUB TO SEWER AND DRAIN SPIGOT
 DWV SPIGOT X HUB

SIZE	A	B
3	$\frac{1}{4}$	$1\frac{3}{4}$
4	$\frac{1}{4}$	2


PART NO. 119
No-Hub Adapter

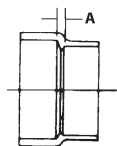
 ADAPTS CAST IRON NO-HUB SPIGOT TO DWV SPIGOT
 SPIGOT X HUB

SIZE	A
$1\frac{1}{2}$	$1\frac{27}{32}$
2	$1\frac{29}{32}$
$2 \times 1\frac{1}{2}$	$1\frac{11}{16}$
3	$1\frac{13}{16}$
4	$1\frac{27}{32}$
4×3	$2\frac{5}{32}$


PART NO. 122
Spigot Adapter, Cast Iron

 ADAPTS CAST IRON SPIGOT TO DWV SPIGOT
 HUB X HUB

SIZE	A
2×2	$\frac{3}{8}$
3×3	$\frac{7}{16}$
4×4	$\frac{1}{2}$

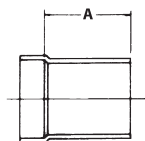


AVAILABLE IN PVC ONLY

PART NO. 123[†]
Hub Adapter, Cast Iron

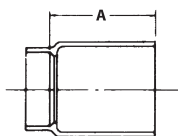
 ADAPTS DWV SPIGOT TO CAST IRON HUB
 HUB X SPIGOT

SIZE	A
2 x 2	3 ²³ / ₃₂
3 x 3	4 ⁵ / ₆₄
4 x 4	4 ²⁵ / ₆₄


PART NO. 123R[†]
Hub Adapter, Cast Iron, Increaser

 ADAPTS DWV SPIGOT TO CAST IRON HUB
 HUB X SPIGOT

SIZE	A
1½ x 2	3½
3 x 4	4

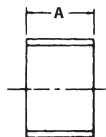


† Plain End: Joint can be made with compression gasket only.

PART NO. 130
Repair Coupling

HUB X HUB

SIZE	A
1½	1 ⁵ / ₈
2	1 ⁷ / ₈
3	3 ³ / ₁₆
4	3 ³ / ₄
6	6 ¹ / ₄



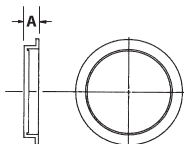
AVAILABLE IN PVC ONLY

PART NO. 131*

Test Cap

SIZE	A
1½	9/32
2	9/32
3	5/16
4	3/8

* Inserts into pipe.

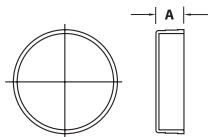


PART NO. 132**

Outside Diameter Test Cap

SIZE	A
1½	9/16
2	9/16
3	9/16
4	9/16

** Inserts over pipe.

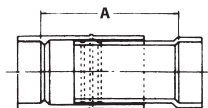


PART NO. 133***

Expansion Joint

SIZE	HUB X HUB
	A
2	5¼
3	5½
4	5½

*** Install in neutral position. Fitting has 1" travel in each direction.



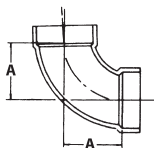
AVAILABLE IN PVC ONLY

PART NO. 300

1/4 Bend
SANITARY 90° ELL
ALL HUB

SIZE	A
1¼	1 ⁹ / ₁₆
1½	1 ³ / ₄
2	2 ⁵ / ₁₆
3	3 ¹ / ₁₆
4	3 ⁷ / ₈
6	5
8	6
10†	11
12†	12 ¹ / ₂

† Fabricated from two molded components

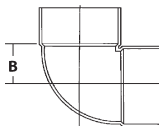


PART NO. 300A

Short 1/4 Bend
90° ELL
ALL HUB

SIZE	B
10*	6 ¹ / ₄
12*	7 ¹ / ₄

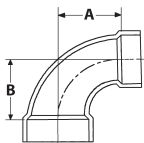
* Not sanitary pattern



PART NO. 300R

1/4 Bend, Reducing
ALL HUB

SIZE	A	B
2 x 1½	2 ⁷ / ₁₆	2 ⁵ / ₁₆

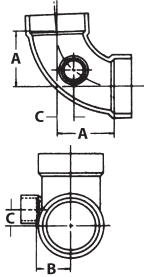


AVAILABLE IN PVC ONLY

PART NO. 300S

1/4 Bend with Side Inlet

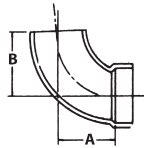
SIZE	HUB X HUB		
	A	B	C
3 x 3 x 1½	3 ⁵ / ₆₄	1 ⁷ / ₈	1 ⁵ / ₁₆
3 x 3 x 2	3 ⁵ / ₆₄	1 ⁷ / ₈	1 ⁵ / ₁₆



PART NO. 302

1/4 Bend, Street
SANITARY 90° STREET ELL
SPIGOT X HUB

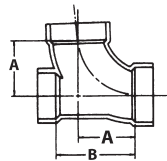
SIZE	A	B
1¼	1 ⁵ / ₈	2 ⁵ / ₁₆
1½	1¾	2½
2	2 ⁵ / ₁₆	3 ³ / ₁₆
3	3 ¹ / ₁₆	4 ⁹ / ₁₆
4	3 ⁷ / ₈	5 ⁵ / ₈
6	5 ³ / ₁₆	8 ¹ / ₈
8	6 ¹ / ₈	10



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

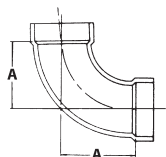


AVAILABLE IN PVC ONLY

PART NO. 304

Long Sweep 1/4 Bend

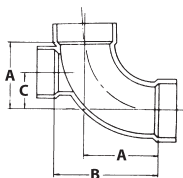
HUB X HUB	
SIZE	A
1½	2¾
2	3¼
3	4 ¹ / ₁₆
4	4 ¹⁵ / ₁₆
6	9



PART NO. 305

Long Sweep 1/4 Bend
with High Heel Inlet

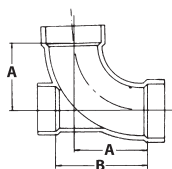
ALL HUB			
SIZE	A	B	C
3 x 3 x 2	4 ¹ / ₁₆	5 ⁵ / ₈	2 ¹ / ₄



PART NO. 307

Long Sweep 1/4 Bend
with Low Heel Inlet

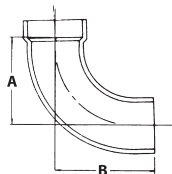
ALL HUB		
SIZE	A	B
3 x 3 x 2	4 ¹ / ₁₆	4 ¹⁵ / ₁₆



PART NO. 309

Long Sweep 1/4 Bend, Street

HUB X SPIGOT		
SIZE	A	B
1½	2¾	3 ¹⁹ / ₃₂
2	3¼	4 ¹ / ₈
3	4 ⁵ / ₃₂	5 ⁹ / ₁₆
4	4 ¹⁵ / ₁₆	6 ¹¹ / ₁₆



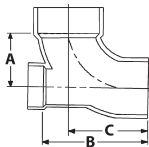
AVAILABLE IN PVC ONLY

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

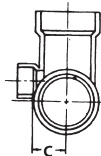
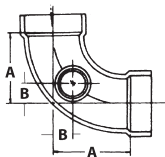


PART NO. 311

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

ALL HUB

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

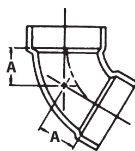


PART NO. 319

1/6 Bend

60° ELL
HUB X HUB

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



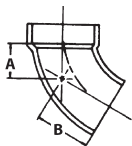
AVAILABLE IN PVC ONLY

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

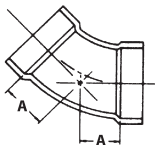


PART NO. 321

1/8 Bend

 45° ELL
 HUB X HUB

SIZE	A
1¼	1
1½	1 ¹ / ₈
2	1½
3	1¾
4	2 ³ / ₁₆
6	2 ¹ / ₁₆
8	2 ¹ / ₁₆

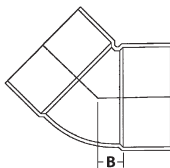


PART NO. 321

1/8 Bend

 45° ELL
 HUB X HUB

SIZE	B
10	3 ¹ / ₈
12	3 ³¹ / ₆₄

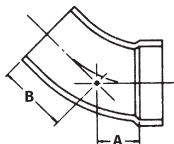


AVAILABLE IN PVC ONLY

PART NO. 323
1/8 Bend, Street

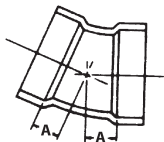
 45° STREET ELL
 SPIGOT X HUB

SIZE	A	B
1¼	1	1¾
1½	1⅛	1⅞
2	1½	2⅜
3	1¾	3¼
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	9½


PART NO. 324
1/16 Bend

 22½° ELL
 HUB X HUB

SIZE	A
1½	½
2	1 ¹ / ₁₆
3	1 ³ / ₁₆
4	1
6	1½
8	1½
10	2
12	2



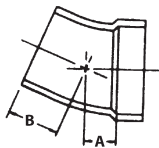
AVAILABLE IN PVC ONLY

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

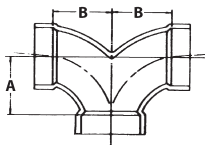


PART NO. 327

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

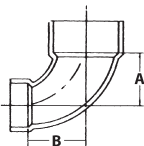


PART NO. 329

Closet Bend, Reducing

HUB X HUB

SIZE	A	B
3 x 4	3	3³⁄₈

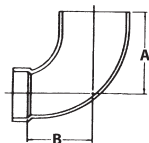


PART NO. 330

Closet Bend, Reducing

HUB X SPIGOT

SIZE	A	B
3 x 4	6	3⁵⁄₈



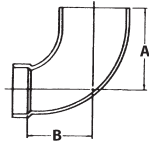
AVAILABLE IN PVC ONLY

PART NO. 330X*

**Closet Bend, Reducing
with Test Cap**
HUB X SPIGOT

SIZE	A	B
3 x 4	6	3 ⁵ / ₈

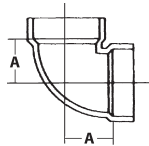
* ABS ONLY



PART NO. 331

Vent Ell
90° SHORT TURN ELL
HUB X HUB

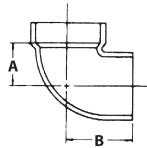
SIZE	A
1½	1 ³ / ₁₆
2	1½
3	1 ⁷ / ₈



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



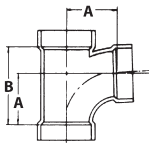
AVAILABLE IN PVC ONLY

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

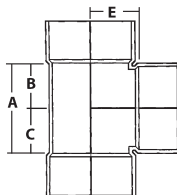


PART NO. 400A

Straight Tee

ALL HUB

SIZE	A	B	C	E
10*	12½	6¼	6¼	6 ⁵ / ₁₆
12*	14 ⁷ / ₁₆	7 ⁷ / ₃₂	7 ⁷ / ₃₂	7¼

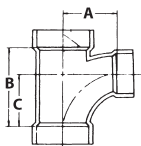


* Not sanitary pattern

AVAILABLE IN PVC ONLY

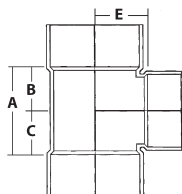
PART NO. 401
Sanitary Tee, Reducing

SIZE	ALL HUB		
	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	1 ³ / ₄
3 x 3 x 2	2 ⁷ / ₈	3 ⁵ / ₁₆	2 ¹ / ₈
4 x 4 x 1½	3 ¹ / ₄	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	4 ³ / ₄	3
6 x 6 x 4	4 ²⁷ / ₃₂	6 ³ / ₆₄	3 ²⁵ / ₃₂
8 x 8 x 4	8 ¹ / ₄	6 ³ / ₄	4 ¹ / ₈
8 x 8 x 6	7 ³ / ₄	10 ³¹ / ₆₄	6 ³ / ₆₄


PART NO. 401A
Straight Tee, Reducing

SIZE	ALL HUB			
	A	B	C	E
10 x 10 x 4*	10 ³ / ₈	5 ³ / ₁₆	5 ³ / ₁₆	9 ¹ / ₄
10 x 10 x 6*	10 ³ / ₈	5 ³ / ₁₆	5 ³ / ₁₆	8
10 x 10 x 8*	10 ³ / ₈	5 ³ / ₁₆	5 ³ / ₁₆	6 ¹¹ / ₃₂
12 x 12 x 6*	10 ¹ / ₄	5 ¹ / ₈	5 ¹ / ₈	8 ²⁹ / ₃₂
12 x 12 x 8*	10 ¹ / ₄	5 ¹ / ₈	5 ¹ / ₈	7 ⁵ / ₃₂
12 x 12 x 10*	12 ⁷ / ₁₆	6 ⁷ / ₃₂	6 ⁷ / ₃₂	7 ³ / ₁₆

*Not sanitary pattern

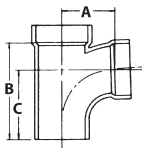


AVAILABLE IN PVC ONLY

PART NO. 403
Sanitary Tee, Street

SPIGOT X HUB X HUB

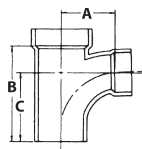
SIZE	A	B	C
1½	1¾	3½	2½
2	2 ⁵ / ₁₆	4 ⁹ / ₁₆	3 ⁷ / ₃₂
3	3	6 ³ / ₈	4 ⁹ / ₁₆
4	3 ⁷ / ₈	7 ⁷ / ₈	5 ⁵ / ₈


PART NO. 404
Sanitary Tee, Street Reducing

SPIGOT X HUB X HUB

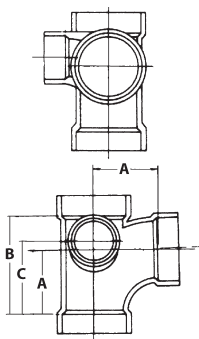
SIZE	A	B	C
2 x 1½ x 1½*	2 ⁵ / ₃₂	4	2 ²⁷ / ₃₂
2 x 1½ x 2*	2 ²⁵ / ₆₄	4½	3 ⁷ / ₃₂
2 x 2 x 1½	2 ¹ / ₈	4	2 ⁷ / ₈
3 x 3 x 1½	2 ⁹ / ₁₆	4 ³ / ₁₆	3¼
3 x 3 x 2	2 ⁷ / ₈	4¾	3 ⁵ / ₈
4 x 4 x 2	3 ⁵ / ₁₆	4 ¹⁵ / ₁₆	3 ¹³ / ₁₆

* ABS ONLY


PART NO. 416
Sanitary Tee with Left Side Inlet

ALL HUB

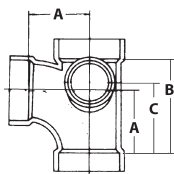
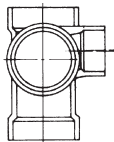
SIZE	A	B	C
3 x 3 x 3 x 1½	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
3 x 3 x 3 x 2	3 ¹ / ₁₆	4 ⁷ / ₈	3 ¹¹ / ₁₆
4 x 4 x 4 x 2	3 ⁷ / ₈	6 ¹ / ₈	5



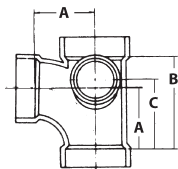
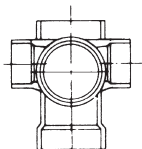
AVAILABLE IN PVC ONLY

PART NO. 417
Sanitary Tee with Right Side Inlet

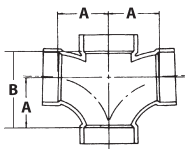
ALL HUB			
SIZE	A	B	C
3 x 3 x 3 x 1½	3¼	4⅞	3⅛
3 x 3 x 3 x 2	3¼	4⅞	3⅛
4 x 4 x 4 x 2	3⅞	6⅛	5


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	3¼	4⅞	3⅛
4 x 4 x 4 x 2 x 2	3⅞	6⅛	5


PART NO. 428
Double Sanitary Tee

SANITARY CROSS		
ALL HUB		
SIZE	A	B
1½	1¾	2¾
2	2⅝	3⅛
3	3¼	4⅞
4	3⅞	6⅛



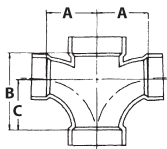
AVAILABLE IN PVC ONLY

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	1 ³ / ₄
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	4 ³ / ₄	3

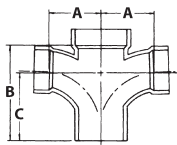


PART NO. 431

**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	3 ¹ / ₄

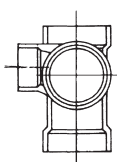
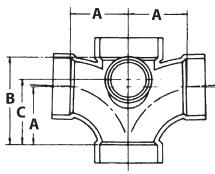


PART NO. 438

Double Sanitary Tee with Side Inlet

SANITARY CROSS
ALL HUB

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

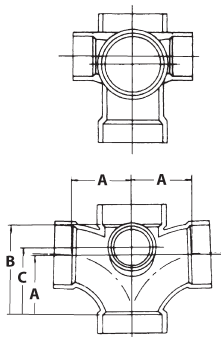


AVAILABLE IN PVC ONLY

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

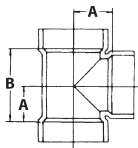
 SANITARY CROSS
 ALL HUB

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
6†	3 ³¹ / ₃₂	7 ³¹ / ₃₂
8	5 ⁹ / ₆₄	10 ³¹ / ₆₄

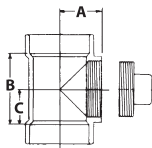


† PVC 441, 6" is available only as a component part of PVC 444-X

AVAILABLE IN PVC ONLY

PART NO. 444X
Cleanout Tee with Cleanout Plug

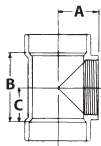
SIZE	HUB X HUB X FPT		
	A	B	C
1½	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ³ / ₁₆
2	2¼	3	1½
3	2 ¹¹ / ₁₆	3 ⁷ / ₈	1 ¹⁵ / ₁₆
4	3 ³ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆
6	4	8	4
6 x 4	8	8	4
8 x 6	9 ²⁹ / ₃₂	10 ⁷ / ₁₆	5 ⁷ / ₃₂
12 x 6	11 ¹³ / ₁₆	10 ⁵ / ₃₂	5 ¹ / ₈



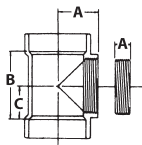
See Part No. 106
for plug dimensions.

PART NO. 445
Cleanout Tee

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 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
10 x 10 x 8	10 ³ / ₈	10 ³ / ₈	5 ³ / ₁₆
12 x 12 x 8	11 ⁵ / ₃₂	10¼	6 ¹ / ₃₂


PART NO. 445X
Flush Cleanout Tee with Cleanout Plug

For dimensions see Part Numbers 445 and 110.

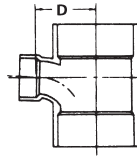
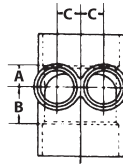


AVAILABLE IN PVC ONLY

PART NO. 447

Horizontal Twin Tee

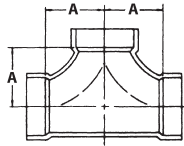
SIZE	ALL HUB			
	A	B	C	D
3 x 3 x 1½ x 1½	7/8	1¾	1¾	2 ⁹ / ₁₆



PART NO. 448

Two-Way Cleanout

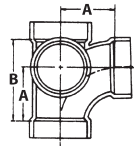
SIZE	ALL HUB
	A
3	4 ¹ / ₁₆
4	4 ¹⁵ / ₁₆



PART NO. 449

**Sanitary Tee with 2" Left Hand
Sanitary Inlet On Center**

SIZE	ALL HUB	
	A	B
2	2 ⁵ / ₁₆	3 ¹¹ / ₁₆

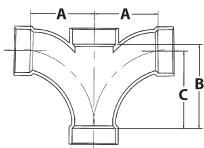


AVAILABLE IN PVC ONLY

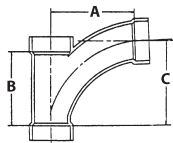
PART NO. 500
Double Fixture Fitting

SIZE	ALL HUB		
	A	B	C
2	3 ¹ / ₂	4 ⁵ / ₈	4 ¹ / ₄
2 x 1 ¹ / ₂ x 1 ¹ / ₂ x 1 ¹ / ₂	2 ⁷ / ₈	3 ¹ / ₂	3 ¹ / ₈
2 x 1 ¹ / ₂ x 2 x 2*	3 ¹ / ₂	4 ⁵ / ₈	4 ¹ / ₄
2 x 2 x 1 ¹ / ₂ x 1 ¹ / ₂	2 ⁷ / ₈	3 ¹ / ₂	3 ¹ / ₈
3	4 ¹⁵ / ₁₆	6 ³ / ₄	6 ¹ / ₄
3 x 2 x 3 x 3*	4 ¹⁵ / ₁₆	6 ¹⁵ / ₁₆	6 ¹ / ₄

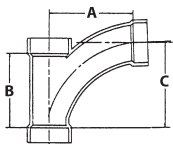
*ABS ONLY


PART NO. 501
Combination Wye & 1/8 Bend

SIZE	ONE PIECE ALL HUB		
	A	B	C
1 ¹ / ₂	3 ¹⁵ / ₁₆	3 ¹ / ₂	3 ¹⁵ / ₁₆
2	5 ¹ / ₈	4 ⁷ / ₁₆	5 ¹ / ₈
3	7 ⁹ / ₁₆	6 ¹ / ₂	7 ⁹ / ₁₆
4	10	8 ¹ / ₂	10


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

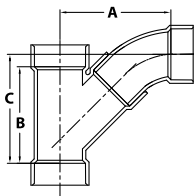
SIZE	ONE PIECE ALL HUB		
	A	B	C
2 x 1 ¹ / ₂ x 1 ¹ / ₂	4 ³ / ₁₆	3 ¹ / ₂	3 ¹⁵ / ₁₆
2 x 2 x 1 ¹ / ₂	4 ³ / ₁₆	3 ¹ / ₂	3 ¹⁵ / ₁₆
3 x 3 x 1 ¹ / ₂	4 ³ / ₄	3 ¹ / ₂	3 ¹⁵ / ₁₆
3 x 3 x 2	5 ¹¹ / ₁₆	4 ⁷ / ₁₆	5 ¹ / ₈
4 x 4 x 2	6 ¹ / ₈	4 ¹ / ₂	5 ¹ / ₈
4 x 4 x 3	8 ¹ / ₁₆	6 ¹ / ₂	7 ⁹ / ₁₆



PART NO. 503
Combination Wye & 1/8 Bend

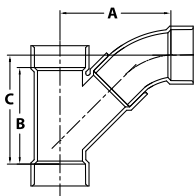
 TWO PIECE
 ALL HUB

SIZE	A	B	C
6**	11 ¹⁵ / ₃₂	10 ⁵ / ₃₂	11 ⁹ / ₆₄
8**	14 ¹⁹ / ₃₂	14 ¹ / ₃₂	14 ²³ / ₃₂
10**	13 ⁵ / ₈	16 ¹⁷ / ₃₂	13 ⁵ / ₈
12**	16	19 ¹ / ₂	16


PART NO. 504
**Combination Wye & 1/8 Bend,
 Reducing**

 TWO PIECE
 ALL HUB

SIZE	A	B	C
6 x 6 x 3**	9 ³ / ₈	7 ⁵ / ₆₄	7 ¹⁹ / ₃₂
6 x 6 x 4*	8 ¹⁵ / ₁₆	8 ⁵ / ₈	7 ¹³ / ₁₆
8 x 8 x 4**	13	10 ²⁹ / ₆₄	11 ³ / ₄
8 x 8 x 6**	12 ¹ / ₂	10 ¹ / ₂	11 ³ / ₁₆
10 x 10 x 4**	16 ³ / ₁₆	14 ²³ / ₆₄	15 ²⁷ / ₆₄
10 x 10 x 6**	15 ³¹ / ₃₂	14 ²³ / ₆₄	15 ⁹ / ₆₄
10 x 10 x 8**	15 ⁷ / ₁₆	14 ²³ / ₆₄	14 ²⁵ / ₃₂
12 x 12 x 4**	16 ³ / ₄	13 ¹⁷ / ₃₂	15 ¹¹ / ₃₂
12 x 12 x 6**	16 ⁷ / ₁₆	13 ¹⁷ / ₃₂	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	13 ¹⁷ / ₃₂	18 ³ / ₁₆



* One piece short pattern

** Fitting shipped with any required bushing(s) installed, street 1/8 bend strapped to fitting. Assembled from molded components.

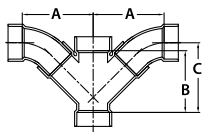
AVAILABLE IN PVC ONLY

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

 THREE PIECE or FIVE PIECE
 ALL HUB

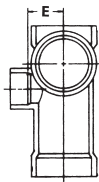
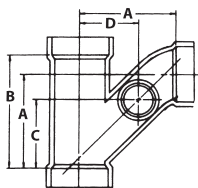
SIZE	A	B	C
4	9 ¹³ / ₃₂	8 ³ / ₁₆	9 ⁵ / ₃₂
2 x 2 x 1½ x 1½	4 ⁵ / ₃₂	4 ⁷ / ₃₂	3 ⁶¹ / ₆₄
3 x 3 x 2 x 2	6 ⁵ / ₆₄	5 ⁵ / ₃₂	5 ¹¹ / ₆₄
4 x 4 x 2 x 2	7 ⁵ / ₁₆	5	6
4 x 4 x 3 x 3	8 ¹⁹ / ₆₄	6 ⁹ / ₁₆	7 ¹⁹ / ₃₂
6 x 6 x 4 x 4**	12 ¹ / ₈	10 ⁹ / ₆₄	11 ⁵ / ₈

** Fitting shipped with any required bushing(s) installed, street 1/8 bend strapped to fitting. Assembled from molded components.


PART NO. 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

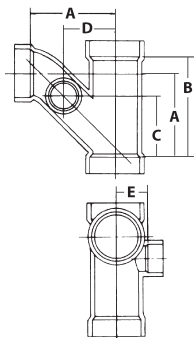


AVAILABLE IN PVC ONLY

PART NO. 516

**Combination Wye & 1/8 Bend
with Right Side Inlet**

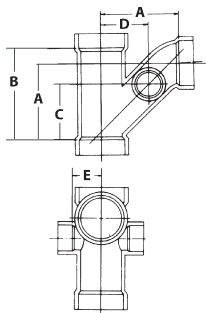
ALL HUB					
SIZE	A	B	C	D	E
3x3x3x2	6 ⁵ / ₁₆	7 ³¹ / ₆₄	5 ¹ / ₄	3 ³ / ₈	1 ⁷ / ₈



PART NO. 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

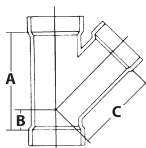


AVAILABLE IN PVC ONLY

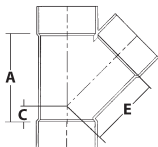
PVC & ABS DWV FITTINGS

PART NO. 600
Wye
 45° WYE
 ALL HUB

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


PART NO. 600
Wye
 ALL HUB

SIZE	A	C	E
8	14 ¹ / ₈	2 ³ / ₈	11 ³ / ₄
10	16 ¹⁹ / ₃₂	2 ⁷ / ₈	13 ⁵ / ₈
12	19 ¹⁷ / ₃₂	3 ¹¹ / ₃₂	16

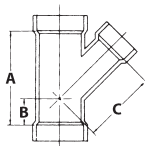


AVAILABLE IN PVC ONLY

PART NO. 601

Wye, Reducing
 45° WYE
 ALL HUB

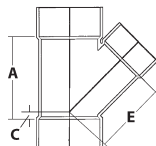
SIZE	A	B	C
2 x 1½ x 1½	3½	1¼	2½
2 x 1½ x 2	4½	1	3¾
2 x 2 x 1½	4¾	1¼	3¾
3 x 3 x 1½	4¼	½	4½
3 x 3 x 2	5	⅞	4½
4 x 4 x 1½	5	0	6
4 x 4 x 2	5½	⅜	5¾
4 x 4 x 3	6½	1¼	6
6 x 6 x 3	7¼	¼	7½
6 x 6 x 4	6¾	⅜	7½
8 x 8 x 4	10½	1	11¾
8 x 8 x 6	10½	1	9¾



PART NO. 601

Wye, Reducing
 ALL HUB

SIZE	A	B	C
10 x 10 x 4	14 ²⁷ / ₆₄	1¾	15 ¹⁵ / ₁₆
10 x 10 x 6	14 ²⁷ / ₆₄	1¾	15
10 x 10 x 8	14 ²⁷ / ₆₄	1¾	13¼
12 x 12 x 4	13 ¹⁹ / ₃₂	½	16 ²³ / ₃₂
12 x 12 x 6	13 ¹⁹ / ₃₂	½	15 ²⁹ / ₆₄
12 x 12 x 8	13 ¹⁹ / ₃₂	½	13¾
12 x 12 x 10	17 ⁵ / ₆₄	1¾	15 ³ / ₃₂

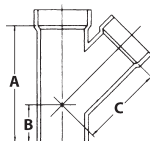


AVAILABLE IN PVC ONLY

PART NO. 602

Wye, Street
 45° WYE
 SPIGOT X HUB X HUB

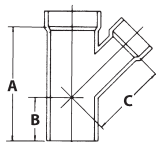
SIZE	A	B	C
1½	4¾	1⅞	2⅞
2	5⅞	2¼	3⅝
3	8⅛	3⅛	5
4	9 ¹⁵ / ₁₆	3 ⁵ / ₈	6¼



PART NO. 603

Wye, Street, Reducing
 45° WYE
 SPIGOT X HUB X HUB

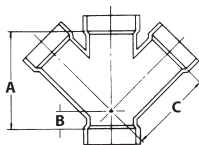
SIZE	A	B	C
3 x 3 x 1½	5¾	2	4 ⁷ / ₃₂
3 x 3 x 2	6½	2 ³ / ₈	4 ⁵ / ₈
4 x 4 x 2	6 ²³ / ₃₂	2⅛	5 ¹⁵ / ₆₄
4 x 4 x 3	8 ³ / ₈	2 ¹³ / ₁₆	6



PART NO. 611

Double Wye
 DOUBLE 45° WYE
 ALL HUB

SIZE	A	B	C
1½	4	1⅞	2⅞
2	5	1 ³ / ₈	3 ⁵ / ₈
3	6 ⁵ / ₈	1 ⁵ / ₈	5
4	8¼	1 ⁷ / ₈	6 ³ / ₈
6	10 ³ / ₁₆	1¾	8 ⁷ / ₁₆



AVAILABLE IN PVC ONLY

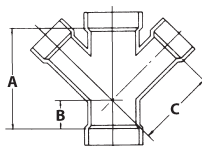
PART NO. 612

Double Wye, Reducing

DOUBLE 45° WYE

ALL HUB

SIZE	A	B	C
2 x 2 x 1½ x 1½	4 ³ / ₈	1 ¹ / ₁₆	3 ⁷ / ₁₆
3 x 3 x 1½ x 1½	4 ¹ / ₄	½	4 ⁵ / ₁₆
3 x 3 x 2 x 2	5	7 ⁷ / ₈	4 ⁵ / ₈
4 x 4 x 2 x 2	5 ¹ / ₁₆	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 ³ / ₁₆	1 ³ / ₄	10 ³ / ₁₆

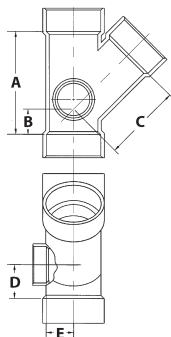


PART NO. 625

Wye with Left Side Inlet

ALL HUB

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

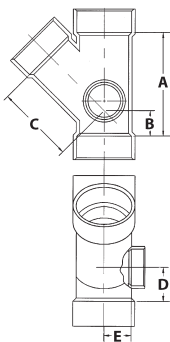


AVAILABLE IN PVC ONLY

PART NO. 626
Wye with Right Side Inlet

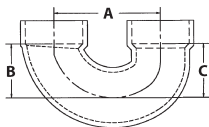
ALL HUB

SIZE	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

HUB X HUB

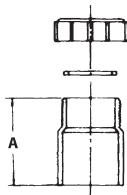
SIZE	A	B	C
1 ¹ / ₂	3 ¹ / ₂	1 ³ / ₄	1 ³ / ₄
2	5 ⁷ / ₃₂	2 ³ / ₈	2 ³ / ₈
3	6 ³ / ₄	3 ¹ / ₁₆	3 ¹ / ₁₆
4	8 ¹ / ₂	3 ¹¹ / ₁₆	3 ¹¹ / ₁₆


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

SPIGOT X SLIP

SIZE	A
1 ¹ / ₂	2 ³ / ₁₆

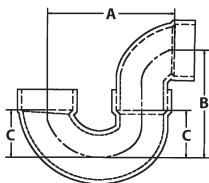
*ABS ONLY



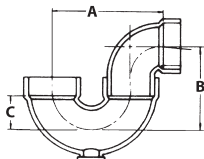
AVAILABLE IN PVC ONLY

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

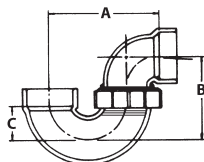
SIZE	HUB X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1¾
2	6 ¹³ / ₁₆	4 ⁷ / ₈	2 ³ / ₈
3	8 ¹⁵ / ₁₆	6 ¹⁵ / ₁₆	3 ¹ / ₁₆
4	11 ¹ / ₁₆	8 ⁷ / ₁₆	3 ¹¹ / ₁₆


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

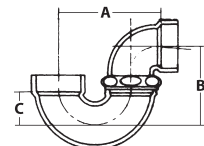
SIZE	HUB X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1¾
2	6 ¹³ / ₁₆	4 ⁷ / ₈	2 ³ / ₈


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

SIZE	HUB X HUB		
	A	B	C
1¼	4 ⁹ / ₁₆	3½	1 ³ / ₈
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1¾
2	6 ¹³ / ₁₆	4 ⁷ / ₈	2 ³ / ₈


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

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

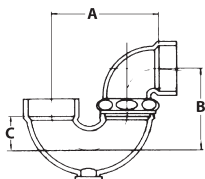


AVAILABLE IN PVC ONLY

PART NO. 709X

**P-Trap with Cleanout, Union &
 Chrome Nut**

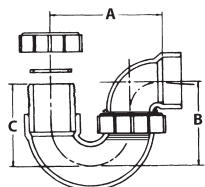
SIZE	HUB X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	1 ³ / ₄



PART NO. 711P

**L.A. Pattern P-Trap with Union &
 Plastic Nut**

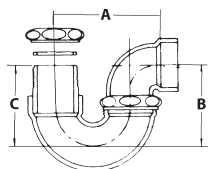
SIZE	SLIP X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	3 ³ / ₄



PART NO. 711X

**L.A. Pattern P-Trap with Union &
 Chrome Nut**

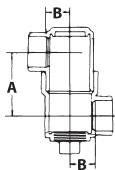
SIZE	SLIP X HUB		
	A	B	C
1½	4 ⁵ / ₈	3 ¹⁵ / ₁₆	3 ³ / ₄



PART NO. 720X

**Drum Trap
 HUB X HUB**

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



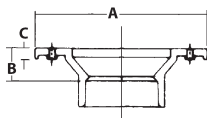
AVAILABLE IN PVC ONLY

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

HUB END

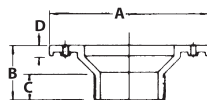
SIZE	A	B	C
4 x 3	7	1¼	7/16
4 x 4*	7	1¼	7/16

*800-KO, 4"x4" not available in ABS


PART NO. 801
Closest Flange, Reducing

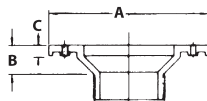
SPIGOT

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


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

HUB END

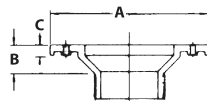
SIZE	A	B	C
4 x 3	7	1⅛	7/16


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

HUB END

SIZE	A	B	C
4 x 3	7	1⅛	7/16
4 x 4	7	1⅛	7/16

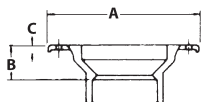
*ABS ONLY



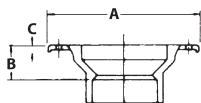
AVAILABLE IN PVC ONLY

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

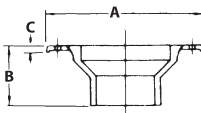
SIZE	HUB END		
	A	B	C
4 x 3	7	1 $\frac{1}{4}$	$\frac{1}{4}$
4 x 4	7	1 $\frac{1}{8}$	$\frac{1}{4}$

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

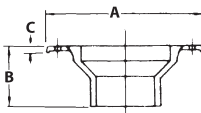
SIZE	HUB END		
	A	B	C
4 x 3	7	1 $\frac{1}{4}$	$\frac{1}{4}$

**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 $\frac{5}{8}$	$\frac{1}{4}$

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

SIZE	SPIGOT		
	A	B	C
4 x 3	7	2 $\frac{5}{8}$	$\frac{7}{16}$
4 x 4	7	2 $\frac{5}{8}$	$\frac{7}{16}$

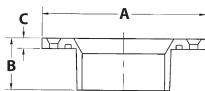


AVAILABLE IN PVC ONLY

PART NO. 815
Flush Closet Flange

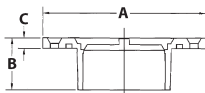
 FITS OVER 3" PIPE OR INSIDE 4" PIPE
 HUB

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


PART NO. 815K
Flush Closet Flange with Knockout

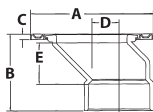
 FITS OVER 3" PIPE OR INSIDE 4" PIPE
 HUB

SIZE	A	B	C
4 X 4 / 4 X 3	7	2 ⁷ / ₃₂	7 ¹ / ₁₆


PART NO. 820
**Offset Closet Flange, Adjustable with
 Metal Ring**

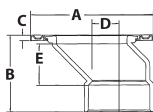
 1¹/₂" OFFSET
 HUB

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


PART NO. 820P
**Offset Closet Flange, Adjustable with
 Plastic Ring**

 1¹/₂" OFFSET
 HUB

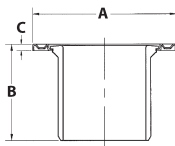
SIZE	A	B	C	D	E
4 X 3	7	4 ⁵ / ₁₆	7 ¹ / ₁₆	1 ¹ / ₂	2 ⁵ / ₁₆



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

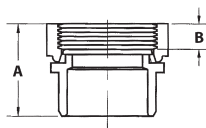
SPIGOT			
SIZE	A	B	C
4*	7	4 ¹¹ / ₁₆	1/4

*ABS ONLY


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

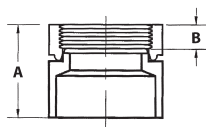
SPG X FPT		
SIZE	A	B
1 ¹ / ₂ *	1 ²³ / ₃₂	1 ⁵ / ₃₂

*ABS ONLY


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

HX FPT		
SIZE	A	B
1 ¹ / ₂ *	1 ¹³ / ₁₆	1 ⁵ / ₃₂

*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

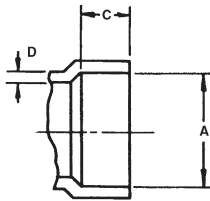
Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

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 for water or approved chemicals.
- Refer to warnings in PPFA User Bulletin 4-80 and ASTM D 1785.

PVC Thin Wall Schedule 30 Fittings

HUB DIMENSIONS

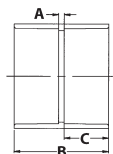


SIZE	A	C	D
1 $\frac{1}{2}$	3 $\frac{1}{4}$	1 $\frac{17}{32}$	$\frac{1}{8}$

PART NO. PVC 1100

Coupling
 HUB X HUB

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

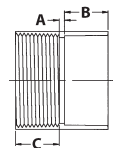


PART NO. PVC 1101

Female Adapter

FTP X HUB

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

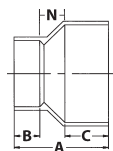


PART NO. PVC 1102

Pipe 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	$4\frac{7}{32}$	$1\frac{9}{16}$	$1\frac{3}{4}$	$2\frac{7}{32}$

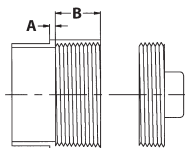


PART NO. PVC 1105X

**Fitting Cleanout Adapter
 with Cleanout Plug**

SPIGOT

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

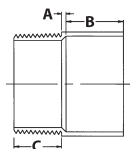


PART NO. PVC 1109

Male Adapter

MPT X HUB

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

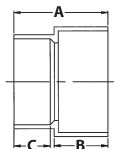


PART NO. PVC 1112

Reducer Bushing

SPIGOT X HUB

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



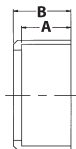
PART NO. PVC 1129

Hub Adapter

ADAPTS 3" IPS HUB TO 3" THIN WALL PIPE

SPIGOT X HUB

SIZE	A	B
3 x 3	1½	1 ²⁵ / ₃₂

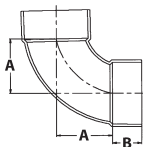


PART NO. PVC 1300

1/4 Bend

HUB X HUB

SIZE	A	B
3	2 ⁷ / ₈	1 ¹⁷ / ₃₂

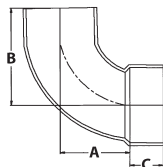


PART NO. PVC 1302

1/4 Bend, Street

SPIGOT X HUB

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

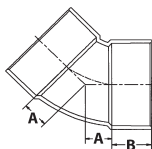


PART NO. PVC 1321

1/8 Bend

HUB X HUB

SIZE	A	B
3	1 ¹ / ₃₂	1 ¹⁷ / ₃₂

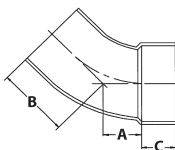


PART NO. PVC 1323

1/8 Bend, Street

SPIGOT X HUB

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

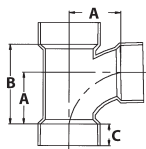


PART NO. PVC 1400

Sanitary Tee

HUB X HUB

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

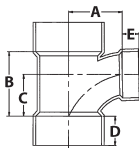


PART NO. PVC 1401

Sanitary Tee, Reducing

HUB X HUB

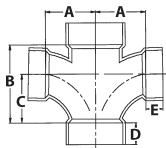
SIZE	A	B	C	D	E
3 x 1 ¹ / ₂	2 ⁹ / ₁₆	2 ¹¹ / ₁₆	3 ¹ / ₄	1 ¹⁷ / ₃₂	3/4
3 x 2	2 ⁷ / ₃₂	3 ³ / ₈	1 ³¹ / ₃₂	1 ¹⁷ / ₃₂	2 ⁹ / ₃₂



PART NO. 1429

Double Sanitary Tee, Reducing

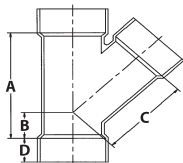
SIZE	HUB X HUB				
	A	B	C	D	E
3 x 1½	2¼	2 ²¹ / ₃₂	1 ²⁵ / ₃₂	1 ¹⁷ / ₃₂	2 ²⁵ / ₃₂



PART NO. PVC 1600

Wye

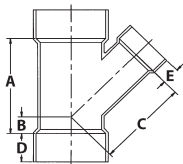
SIZE	HUB X HUB			
	A	B	C	D
3	4 ⁷ / ₈	¾	4 ¹ / ₈	1 ¹⁷ / ₃₂



PART NO. 1601

Wye, Reducing

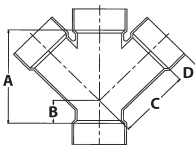
SIZE	HUB X HUB				
	A	B	C	D	E
3 x 1½	3 ¹¹ / ₁₆	¾	3½	1 ¹⁷ / ₃₂	2 ²⁵ / ₃₂
3 x 2	3 ¹¹ / ₁₆	¼	4 ³ / ₈	1 ¹⁷ / ₃₂	7/8



PART NO. PVC 1611

Double Wye

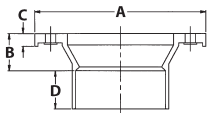
SIZE	HUB X HUB			
	A	B	C	D
3	4 ²⁹ / ₃₂	1 ³ / ₁₆	4 ¹ / ₈	1 ¹⁷ / ₃₂



PART NO. PVC 1800

Closet Flange

SIZE	HUB			
	A	B	C	D
4 x 3	7	1¼	7/16	19/16

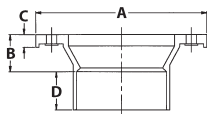


PART NO. PVC 1800K

Closet Flange

HUB

SIZE	A	B	C	D
4 x 3	7	1 $\frac{1}{4}$	$\frac{7}{16}$	1 $\frac{9}{16}$

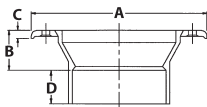


PART NO. PVC 1811

Closet Flange, Adjustable with Metal Ring

HUB

SIZE	A	B	C	D
4 x 3	6 $\frac{3}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$	1 $\frac{1}{2}$

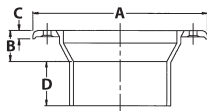


PART NO. PVC 1812

Closet Flange, Adjustable with Metal Ring

SPIGOT

SIZE	A	B	C	D
4 x 3	6 $\frac{3}{4}$	1 $\frac{1}{4}$	$\frac{1}{4}$	1 $\frac{1}{2}$



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:

SCH. 40 PVC PIPE

ASTM D 1784, ASTM D 1785, ASTM D 2665
FHA UM 79a
FEDERAL SPECIFICATION L-P-320a
NSF STANDARD NO. 14 AND 61

SCH. 40 PVC DWV PIPE CELLULAR CORE

ASTM D 4396, ASTM F 891
NSF STANDARD NO. 14

SCH. 40 RePVC® DWV PIPE

ASTM D 4396, ASTM F 1760
NSF STANDARD NO. 14

SCH. 40 PVC 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 PRESSURE PIPE SDR-21 AND SDR-26

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 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 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 AND FITTINGS

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

CPVC CTS FLOWGUARD GOLD® PIPE & FITTINGS

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

CPVC CTS REUZE® PIPE

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

CHEMDRAIN® CPVC SCHEDULE 40 PIPE AND FITTINGS

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

SCH. 40 ABS DWV PIPE CELLULAR CORE

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

SCH. 40 ABS 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) The Products fail due to defects or deficiencies in design, engineering, or installation of the piping system of which they are a part.
- 5) 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.
- 6) The Products fail due to the freezing of water in the Products.
- 7) 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.
- 8) 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



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.



- 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 for water or approved chemicals.
- Refer to warnings in PPSA User Bulletin 4-80 and ASTM D 1785.

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.

4/15/10

CHARLOTTE

PIPE AND FOUNDRY COMPANY

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FAX (800) 553-1605

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