

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 April 10, 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.

Table of Contents

Page

| | |
|---|-------|
| ABS "Foam Core" Schedule 40 DWV Pipe Data..... | 4 |
| ABS Plus® "Foam Core" Schedule 40 DWV Pipe Data..... | 5 |
| PVC "Foam Core" Schedule 40 DWV Pipe Data..... | 6 |
| RePVC® Schedule 40 DWV Pipe Data..... | 7 |
| PVC Schedule 40 DWV Pipe Data | 8 |
| D 3034 PVC Sewer Pipe Data | 9 |
| PVC D 2729 Sewer and Drain Pipe Data..... | 10 |
| PVC and ABS DWV Fittings Dimensions..... | 11-55 |
| PVC Thin Wall Sch. 30 Pipe Data..... | 56 |
| PVC Thin Wall Sch. 30 Fittings Dimensions..... | 57-63 |
| Certification..... | 64-65 |
| Warranty | 66 |



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

NOT FOR PRESSURE

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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.

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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 | 1980' | 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

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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 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

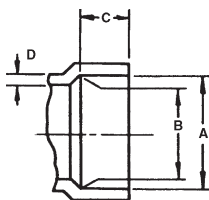
Failure to follow safety precautions may result in misapplication or improper installation and testing which can cause severe personal injury and / or property damage.

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

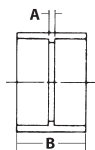
| SIZE | A | B | C | D |
|------|-------|-------|-------|------|
| 1½ | 1.910 | 1.895 | .687 | .156 |
| 2 | 2.385 | 2.370 | .750 | .156 |
| 3 | 3.515 | 3.495 | 1.500 | .218 |
| 4 | 4.515 | 4.495 | 1.750 | .250 |
| 6 | 6.647 | 6.614 | 3.000 | .281 |

PVC

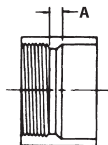
| SIZE | A | B | C | D |
|------|--------|--------|-------|------|
| 1¼ | 1.675 | 1.650 | .687 | .156 |
| 1½ | 1.915 | 1.895 | .687 | .156 |
| 2 | 2.390 | 2.370 | .750 | .156 |
| 3 | 3.520 | 3.495 | 1.500 | .218 |
| 4 | 4.520 | 4.495 | 1.750 | .250 |
| 6 | 6.647 | 6.614 | 3.000 | .281 |
| 8 | 8.655 | 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 1/4 | 1/8 | 1 5/8 |
| 1 1/2 | 1/8 | 1 9/16 |
| 2 | 15/64 | 1 3/4 |
| 3 | 3/16 | 3 3/16 |
| 4 | 1/4 | 3 3/4 |
| 6 | 1/4 | 6 1/4 |
| 8 | 1/4 | 8 1/4 |
| 10 | 5/16 | 10 3/8 |
| 12 | 3/8 | 13 7/16 |
| 14 ^(F) | 3 | 17 |
| 16 ^(F) | 3 3/8 | 19 3/8 |


PART NO. 101
Female Adapter
FPT X HUB

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

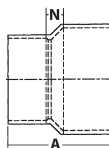
^(F) Fabricated

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 | 1¾ |
| 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

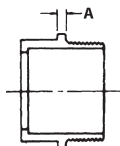
** Assembled from two molded components

Note: Shading indicates available in PVC only.

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

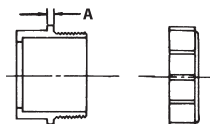
SPIGOT X SLIP

| SIZE | A |
|---------|------|
| 1½ X 1¼ | 3/16 |
| 1½ | 3/16 |
| 2 | 3/16 |

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

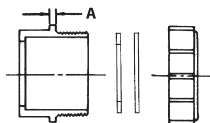
SPIGOT X SLIP

| 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**

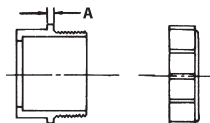
SPIGOT X SLIP WITH PLASTIC NUT

| SIZE | A |
|------|------|
| 1½ | 3/16 |

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

SPIGOT X SLIP WITH PLASTIC NUT

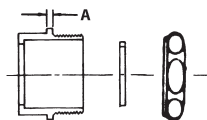
| SIZE | A |
|---------|------|
| 1½ X 1¼ | 3/16 |
| 1½ | 3/16 |
| 2 | 3/16 |



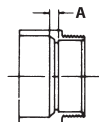
Note: Shading indicates available in PVC only.

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

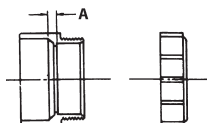
| SIZE | A |
|---------|---|
| 1½ X 1¼ | ⅜ |
| 1½ | ⅜ |
| 2 | ⅜ |

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

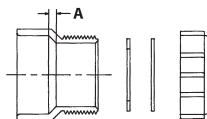
| SIZE | A |
|---------|---|
| 1½ X 1¼ | ⅜ |
| 1½ | ⅜ |

**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 |

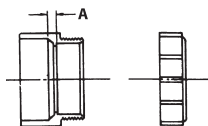


* Available in ABS only
 Note: Shading indicates available in PVC only.

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

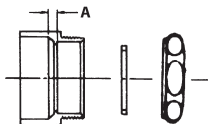
HUB X SLIP WITH PLASTIC NUT

| SIZE | A |
|---------|------|
| 1½ X 1¼ | 3/16 |
| 1½ | 3/16 |

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

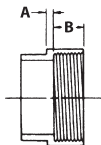
HUB X SLIP

| SIZE | A |
|---------|------|
| 1¼ | 3/16 |
| 1½ X 1¼ | 3/16 |
| 1½ | 3/16 |

**PART NO. 105**
Fitting Cleanout Adapter

SPIGOT X FPT

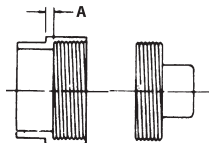
| SIZE | A | B |
|-------------------|-------|-------|
| 1¼ | 3/16 | 3/4 |
| 1½ | 5/32 | 5/8 |
| 2 | 5/32 | 5/8 |
| 3 | 7/32 | 3/4 |
| 4 | 1/4 | 7/8 |
| 6 | 5/16 | 17/16 |
| 8 | 3/8 | 1½ |
| 10 ^(F) | 15/16 | 2¼ |
| 12 ^(F) | 1/8 | 27/16 |

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

SPIGOT X FPT

| SIZE | A |
|------|---|
|------|---|

For dimensions see part numbers 105 and 106.

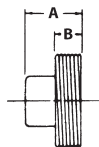
^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 106
Cleanout Plug

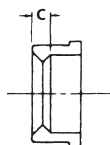
MPT

| 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

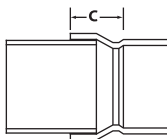
** Assembled from two molded components

Note: Shading indicates available in PVC only.

PART NO. PVC 107
Concentric Reducer Bushing

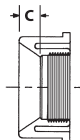
SPIGOT X HUB

| 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)

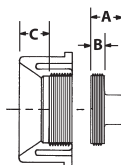
SPIGOT X FPT

| 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.

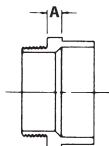
Note: Shading indicates available in PVC only.

PART NO. 109
Male Adapter

MPT X HUB

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

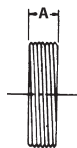
| SIZE | A |
|---------|------|
| 1¼ | 3/16 |
| 1¼ X 1½ | 3/16 |
| 1½ | 3/16 |
| 2 | 3/16 |
| 3 | 3/8 |
| 4 | 3/8 |



(Octagon shoulders for tightening purposes.)

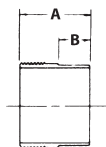
PART NO. 110
Flush Cleanout Plug

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


PART NO. 111
Male Fitting Adapter

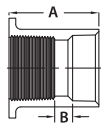
MPT X SPIGOT

| 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 |



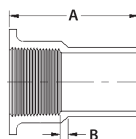
Note: Shading indicates available in PVC only.

PART NO. ABS 113S*

Tray Plug Adapter

SPIGOT

| SIZE | A | B |
|------|--------------------------------|---|
| 1½ | 3 ⁵ / ₁₆ | ¼ |

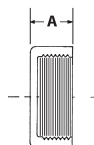


PART NO. ABS 114*

Threaded Cap

FPT

| SIZE | A |
|------|---|
| 1½* | ¾ |

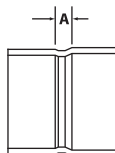


PART NO. PVC 115

Adapter Coupling

SDR 35 HUB X DWV HUB

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

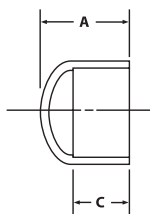


PART NO. 116

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

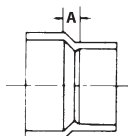
^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 117
Adapter Coupling

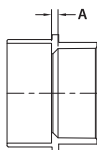
 (Adapts Sewer and Drain Spigot to DWV Spigot)
 HUB X HUB

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


PART NO. PVC 117X
Adapter Coupling

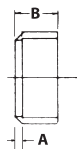
 (Adapts Sewer and Drain Spigot to DWV Hub)
 HUB X SPG

| SIZE | A |
|-------|-----|
| 4 X 3 | 1/4 |


PART NO. 118
Adapter Bushing

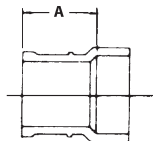
 (Adapts DWV Hub to Sewer and Drain Spigot)
 DWV SPIGOT X HUB

| 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

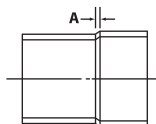
| SIZE | A |
|-----------|---------|
| 1 1/2 | 1 27/32 |
| 2 | 1 23/32 |
| 2 X 1 1/2 | 1 11/16 |
| 3 | 1 13/16 |
| 4 | 1 27/32 |
| 4 X 3 | 2 5/32 |



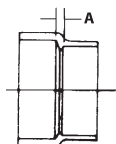
Note: Shading indicates available in PVC only.

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

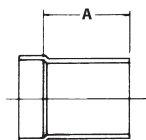
| SIZE | A |
|-------------------|-----|
| 8 ^(F) | 5/8 |
| 10 ^(F) | 5/8 |
| 12 ^(F) | 5/8 |


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

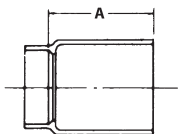
| SIZE | A |
|-------|------|
| 2 x 2 | 3/8 |
| 3 x 3 | 7/16 |
| 4 x 4 | 1/2 |


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, In increaser
 (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 |



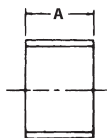
^(P) Plain End: Joint can be made with compression gasket only.

^(F) Fabricated

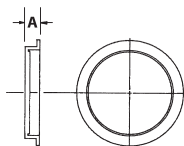
Note: Shading indicates available in PVC only.

PART NO. 130
Repair Coupling

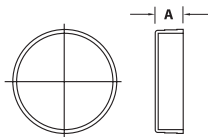
| HUB X HUB | |
|-------------------|-----|
| SIZE | A |
| 1½ | 1⅝ |
| 2 | 1⅞ |
| 3 | 3⅜ |
| 4 | 3¾ |
| 6 | 6¼ |
| 8 ^(F) | 8⅜ |
| 10 ^(F) | 10⅜ |
| 12 ^(F) | 12⅜ |


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

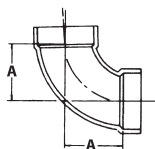
^(C2) Inserts over pipe

^(F) Fabricated

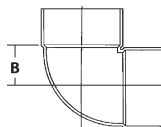
Note: Shading indicates available in PVC only.

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

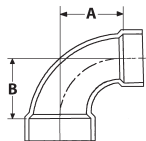
| SIZE | A |
|-------------------|---------|
| 1 1/4 | 1 9/16 |
| 1 1/2 | 1 3/4 |
| 2 | 2 5/16 |
| 3 | 3 1/16 |
| 4 | 3 7/8 |
| 6 | 5 |
| 8 | 6 |
| 10 | 9 9/32 |
| 12 | 11 |
| 14 ^(F) | 16 3/4 |
| 16 ^(F) | 18 9/16 |


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 |

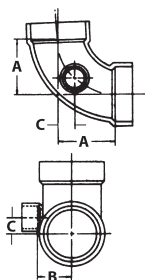

^(F) Fabricated

^(N) Not a sanitary pattern

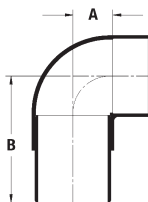
Note: Shading indicates available in PVC only.

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 |

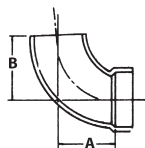

PART NO. PVC 301
Vent 1/4 Bend, Street

| 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)

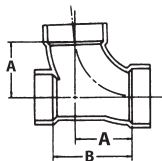
| SIZE | SPIGOT X HUB | |
|-------------------|---------------------------------|---------------------------------|
| | A | B |
| 1¼ | 1 ⁵ / ₈ | 2 ⁵ / ₁₆ |
| 1½ | 1¾ | 2½ |
| 2 | 2 ⁵ / ₁₆ | 3 ³ / ₁₆ |
| 3 | 3 ¹ / ₁₆ | 4 ⁹ / ₁₆ |
| 4 | 3 ⁷ / ₈ | 5 ⁵ / ₈ |
| 6 | 5 ³ / ₁₆ | 8 ¹ / ₈ |
| 8 | 6 ¹ / ₈ | 10 |
| 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

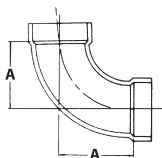
Note: Shading indicates available in PVC only.

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

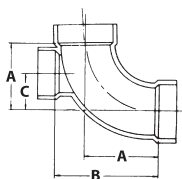
| SIZE | ALL HUB | |
|------------|--------------------------------|--------------------------------|
| | A | B |
| 3 x 3 x 1½ | 3 ¹ / ₁₆ | 4 ³ / ₁₆ |
| 3 x 3 x 2 | 3 ¹ / ₁₆ | 4 ⁷ / ₁₆ |
| 4 x 4 x 2 | 3 ⁷ / ₈ | 5 ⁷ / ₁₆ |


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 |

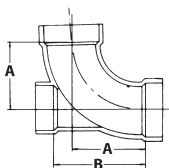


Note: Shading indicates available in PVC only.

PART NO. 307

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

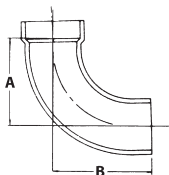
| SIZE | ALL HUB | |
|----------------|---------|---------|
| | A | B |
| 3 x 3 x 1 1/2* | 4 1/16 | 4 3/4 |
| 3 x 3 x 2 | 4 1/16 | 4 15/16 |



PART NO. 309

Long Sweep 1/4 Bend, Street

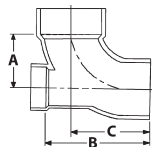
| SIZE | HUB X SPIGOT | |
|-------|--------------|---------|
| | A | B |
| 1 1/2 | 2 3/4 | 3 19/32 |
| 2 | 3 1/4 | 4 1/8 |
| 3 | 4 5/32 | 5 9/16 |
| 4 | 4 15/16 | 6 11/16 |



PART NO. 310

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

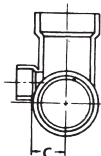
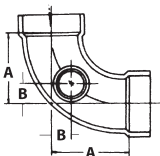
| SIZE | HUB X SPIGOT X HUB | | |
|-----------|--------------------|---------|--------|
| | A | B | C |
| 3 x 3 x 2 | 3 1/16 | 5 15/16 | 4 9/16 |



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 |

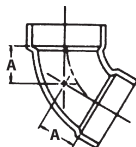


* Available in ABS only
 Note: Shading indicates available in PVC only.

PART NO. 319

1/6 Bend
 (60° Ell)
 HUB X HUB

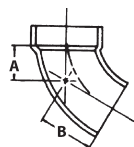
| SIZE | A |
|------|---------------------------------|
| 1½ | 1 |
| 2 | 1 ⁵ / ₁₆ |
| 3 | 1 ¹¹ / ₁₆ |
| 4 | 2 ¹ / ₁₆ |



PART NO. 320

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

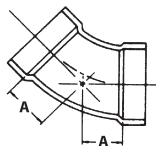
| SIZE | A | B |
|------|---------------------------------|---------------------------------|
| 1½ | 1 | 1¾ |
| 2 | 1 ⁵ / ₁₆ | 2 ³ / ₁₆ |
| 3 | 1 ¹¹ / ₁₆ | 3 ³ / ₁₆ |
| 4 | 2 ¹ / ₁₆ | 3 ¹³ / ₁₆ |



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 |



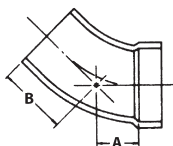
(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. 323

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

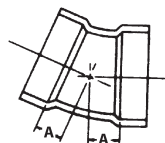
| SIZE | A | B |
|-------------------|---------|---------|
| 1 1/4 | 1 | 1 3/4 |
| 1 1/2 | 1 1/8 | 1 7/8 |
| 2 | 1 1/2 | 2 3/8 |
| 3 | 1 3/4 | 3 1/4 |
| 4 | 2 3/16 | 3 15/16 |
| 6 | 2 1/16 | 5 15/64 |
| 8 | 2 | 6 3/32 |
| 10 | 3 1/8 | 8 5/32 |
| 12 | 3 31/64 | 9 1/2 |
| 14 ^(F) | 9 3/8 | 15 9/16 |
|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

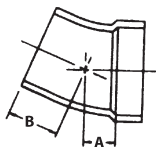
Note: Shading indicates available in PVC only.

PART NO. 326
1/16 Bend, Street

(22½° Street Ell)

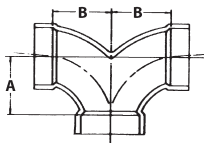
SPIGOT X HUB

| SIZE | A | B |
|-------------------|--------|---------|
| 1½ | ½ | 1¼ |
| 2 | 1¹⁄₁₆ | 1½ |
| 3 | 1³⁄₁₆ | 2⁵⁄₁₆ |
| 4 | 1 | 2¾ |
| 6 | 1½ | 5³⁄₆₄ |
| 8 ^(F) | 6⅛ | 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

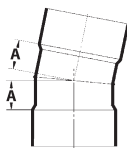
| SIZE | A | B |
|-------------|--------|-------|
| 1½ | 1¾ | 1¾ |
| 2 | 2⁵⁄₁₆ | 2⁵⁄₁₆ |
| 3 | 3¹⁄₁₆ | 3¹⁄₁₆ |
| 2 x 1½ x 1½ | 1¹⁵⁄₁₆ | 2³⁄₁₆ |


^(F) Fabricated

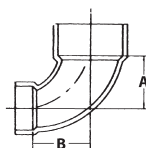
Note: Shading indicates available in PVC only.

PART NO. PVC 328
1/32 Bend

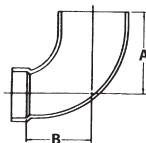
| HUB X HUB | |
|-------------------|---------------------------------|
| SIZE | A |
| 8 ^(F) | 5 ¹ / ₈ |
| 10 ^(F) | 5 ⁷ / ₈ |
| 12 ^(F) | 5 ¹¹ / ₁₆ |


PART NO. 329
Closet Bend, Reducing

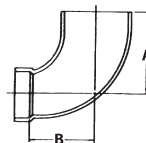
| HUB X HUB | | |
|-----------|---|-------------------------------|
| SIZE | A | B |
| 3 x 4 | 3 | 3 ³ / ₈ |


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 |



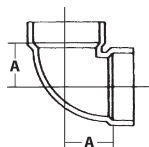
^(F) Fabricated

* Available in ABS only

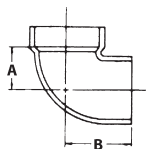
Note: Shading indicates available in PVC only.

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

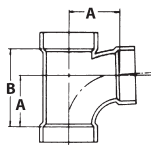
| SIZE | A |
|------|--------------------------------|
| 1½ | 1 ³ / ₁₆ |
| 2 | 1½ |
| 3 | 1 ⁷ / ₈ |


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 |

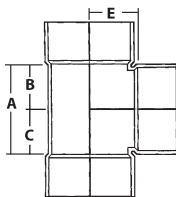

^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. PVC 400A
Straight Tee

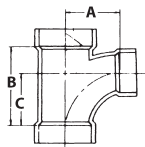
ALL HUB

| 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

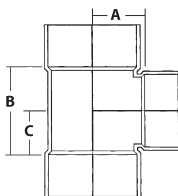
** Assembled from two molded components

Note: Shading indicates available in PVC only.

PART NO. PVC 401A
Straight Tee, Reducing

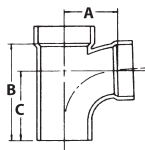
ALL HUB

| 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

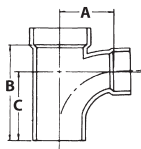
Note: Shading indicates available in PVC only.

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 |

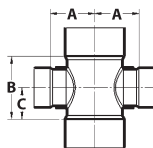


PART NO. PVC 410

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 | 15¾ | 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 |

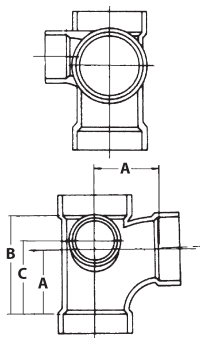
^(F) Fabricated

* Available in ABS only

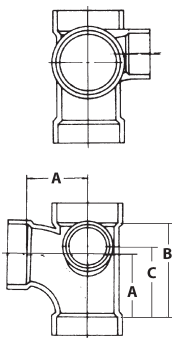
Note: Shading indicates available in PVC only.

PART NO. 416
Sanitary Tee with Left Side Inlet

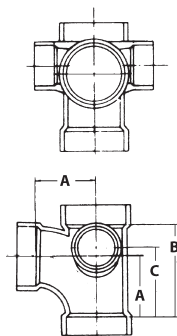
| SIZE | ALL HUB | | |
|----------------|--------------------------------|-------------------------------|---------------------------------|
| | A | B | C |
| 3 x 3 x 3 x 1½ | 3 ¹ / ₁₆ | 4 ⁷ / ₈ | 3 ¹¹ / ₁₆ |
| 3 x 3 x 3 x 2 | 3 ¹ / ₁₆ | 4 ⁷ / ₈ | 3 ¹¹ / ₁₆ |
| 4 x 4 x 4 x 2 | 3 ⁷ / ₈ | 6 ¹ / ₈ | 5 |


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.

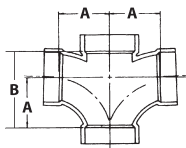
PART NO. 428

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 |



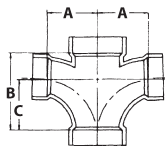
PART NO. 429

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 |



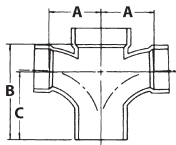
PART NO. PVC 431

**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 |



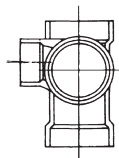
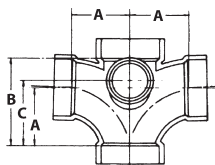
Note: Shading indicates available in PVC only.

PART NO. PVC 438
Double Sanitary Tee with Side Inlet

(Sanitary Cross)

ALL HUB

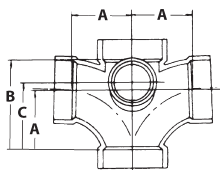
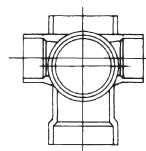
| SIZE | A | B | C |
|-------------------|--------------------------------|-------------------------------|---------------------------------|
| 3 x 3 x 3 x 3 x 2 | 3 ¹ / ₁₆ | 4 ⁷ / ₈ | 3 ¹¹ / ₁₆ |
| 4 x 4 x 4 x 4 x 2 | 3 ⁷ / ₈ | 6 ¹ / ₈ | 5 |


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

(Sanitary Cross)

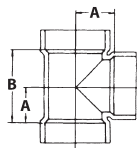
ALL HUB

| 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

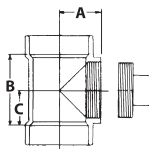
| SIZE | A | B |
|-------------------------------|--------------------------------|-------------------------------|
| 1 ¹ / ₂ | 1 ³ / ₁₆ | 2 ³ / ₈ |
| 2 | 1 ¹ / ₂ | 3 |
| 3 | 1 ⁷ / ₈ | 3 ³ / ₄ |
| 4 | 2 ¹ / ₂ | 5 |



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

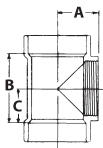
*** Assembled from three molded components

Note: Shading indicates available in PVC only.

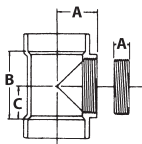
PART NO. 445
Cleanout Tee

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.

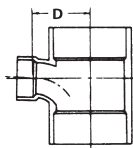
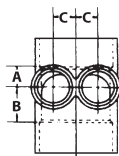

^(F) Fabricated

Note: Shading indicates available in PVC only.

PART NO. PVC 447

Horizontal Twin Tee

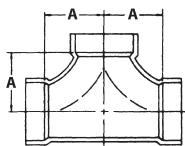
| SIZE | ALL HUB | | | |
|-----------------|---------|----|-------|-------|
| | A | B | C | D |
| 3 x 3 x 1½ x 1½ | 7/8 | 1¾ | 1³/₃₂ | 2⁹/₁₆ |



PART NO. 448

Two-Way Cleanout

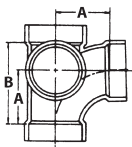
| SIZE | ALL HUB |
|------|---------|
| | A |
| 3 | 4¹/₁₆ |
| 4 | 4¹⁵/₁₆ |



PART NO. PVC 449

Sanitary Tee with 2" Left Hand Sanitary Inlet on Center

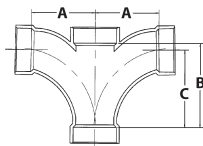
| SIZE | ALL HUB | |
|------|---------|--------|
| | A | B |
| 2 | 2⁵/₁₆ | 3¹¹/₁₆ |



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 |



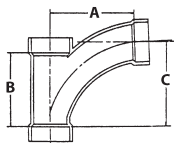
* Available in ABS only

Note: Shading indicates available in PVC only.

PART NO. 501
Combination Wye & 1/8 Bend

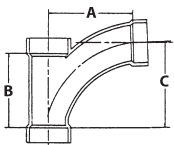
 (One Piece)
 ALL HUB

| 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**

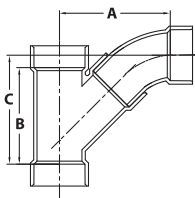
 (One Piece)
 ALL HUB

| 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.

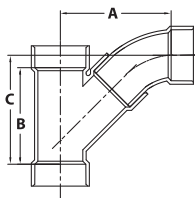
∞ Fitting shipped with street bend strapped to fitting.

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.

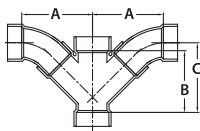
Note: Shading indicates available in PVC only.

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

(Three Pieces or Five Pieces)

ALL HUB

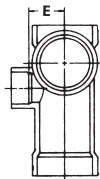
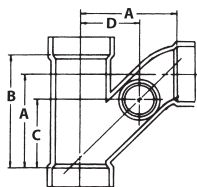
| SIZE | A | B | C |
|---|----------------------------------|---------------------------------|---------------------------------|
| 4 | 9 ¹³ / ₃₂ | 8 ¹ / ₄ | 9 ⁵ / ₃₂ |
| 2 x 2 x 1 ¹ / ₂ x 1 ¹ / ₂ | 4 ⁷ / ₈ | 4 ³ / ₈ | 4 ¹⁵ / ₁₆ |
| 3 x 3 x 2 x 2 | 6 ⁵ / ₆₄ | 4 ¹⁵ / ₁₆ | 5 ¹¹ / ₆₄ |
| 4 x 4 x 2 x 2 | 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

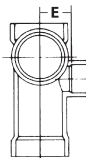
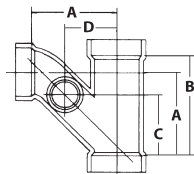
| SIZE | A | B | C | D | E |
|---------------|--------------------------------|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 3 x 3 x 3 x 2 | 6 ⁵ / ₁₆ | 7 ³¹ / ₆₄ | 5 ¹ / ₄ | 3 ³ / ₈ | 1 ⁷ / ₈ |


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 |



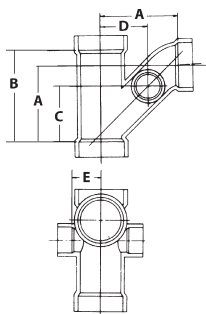
§ Fitting shipped with any required bushing(s) installed, street bend strapped to fitting; assembled from molded components.

Note: Shading indicates available in PVC only.

PART NO. PVC 517

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

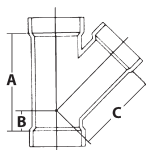
| ALL HUB | | | | | |
|-----------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|
| SIZE | A | B | C | D | E |
| 3x3x3x2x2 | 6 ⁵ / ₁₆ | 7 ³ / ₆₄ | 5 ¹ / ₄ | 3 ³ / ₈ | 1 ⁷ / ₈ |



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 ¹ / ₃₂ | 16 |
| 14 ^(F) | 31 ³ / ₈ | 8 | 22 ¹ / ₄ |
| 16 ^(F) | 36 ⁵ / ₁₆ | 10 ³ / ₄ | 25 ³ / ₁₆ |

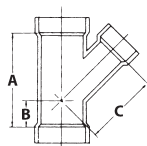


(F) Fabricated

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

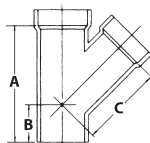
** Assembled from two molded components.

Note: Shading indicates available in PVC only.

PART NO. 602

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

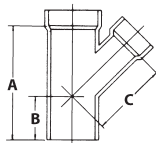
| SIZE | A | B | C |
|------|---------------------------------|-------------------------------|----|
| 1½ | 4¾ | 1⅞ | 2⅞ |
| 2 | 5⅞ | 2¼ | 3⅝ |
| 3 | 8⅞ | 3⅞ | 5 |
| 4 | 9 ¹⁵ / ₁₆ | 3 ⁵ / ₈ | 6¼ |



PART NO. 603

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

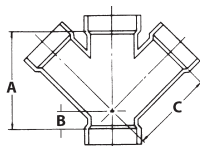
| SIZE | A | B | C |
|------------|---------------------------------|---------------------------------|---------------------------------|
| 3 x 3 x 1½ | 5¾ | 2 | 4 ⁷ / ₃₂ |
| 3 x 3 x 2 | 6½ | 2 ³ / ₈ | 4 ⁵ / ₈ |
| 4 x 4 x 2 | 6 ²³ / ₃₂ | 2⅞ | 5 ¹⁵ / ₆₄ |
| 4 x 4 x 3 | 8 ³ / ₈ | 2 ¹³ / ₁₆ | 6 |



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

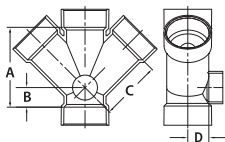
Note: Shading indicates available in PVC only.

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

(Double 45° Wye)

ALL HUB

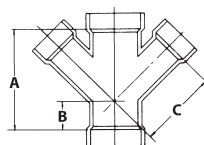
| SIZE | A | B | C | D |
|---------------|-------------------------------|-------------------------------|---|-------------------------------|
| 3 x 3 x 3 x 2 | 6 ⁵ / ₈ | 1 ⁵ / ₈ | 5 | 1 ³ / ₄ |


PART NO. 612
Double Wye, Reducing

(Double 45° Wye)

ALL HUB

| SIZE | A | B | C |
|----------------------------------|----------------------------------|--------------------------------|----------------------------------|
| 2 x 2 x 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 | 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 | ¾ | 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

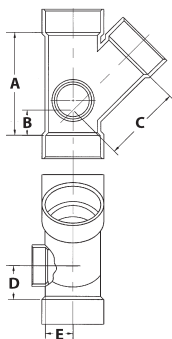
** Assembled from two molded components.

Note: Shading indicates available in PVC only.

PART NO. PVC 625

Wye with Left Side Inlet

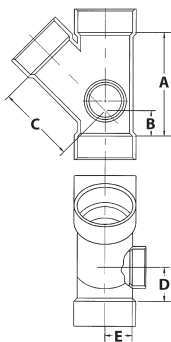
| SIZE | ALL HUB | | | | |
|---------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| | A | B | C | D | E |
| 3x3x3x2 | 6 ⁵ / ₈ | 1 ⁵ / ₈ | 5 | 2 ¹ / ₄ | 1 ³ / ₄ |
| 4x4x4x2 | 8 ¹ / ₄ |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



PART NO. PVC 626

Wye with Right Side Inlet

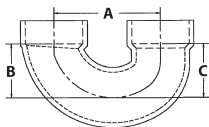
| SIZE | ALL HUB | | | | |
|---------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| | A | B | C | D | E |
| 3x3x3x2 | 6 ⁵ / ₈ | 1 ⁵ / ₈ | 5 | 2 ¹ / ₄ | 1 ³ / ₄ |
| 4x4x4x2 | 8 ¹ / ₄ |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

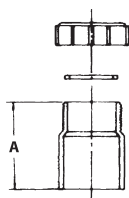


Note: Shading indicates available in PVC only.

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

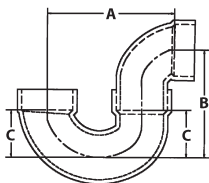
SPIGOT X SLIP

| SIZE | A |
|-------------------|--------------------------------|
| 1½ ^(C) | 2 ³ / ₁₆ |


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

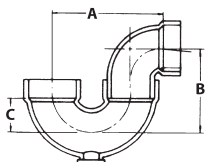
HUB X HUB

| 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

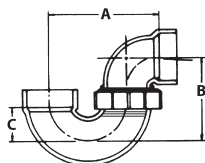
HUB X HUB

| 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 |



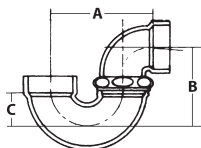
* Available in ABS only; contact sales office for availability.

(C) Contact sales office for availability.

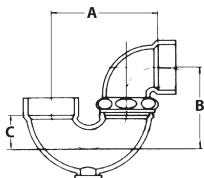
Note: Shading indicates available in PVC only.

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

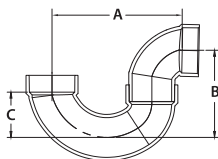
| SIZE | HUB X HUB | | |
|------|-------------------------------|---------------------------------|----|
| | A | B | C |
| 1½ | 4 ⁵ / ₈ | 3 ¹⁵ / ₁₆ | 1¾ |


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

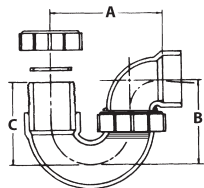
| SIZE | HUB X HUB | | |
|------|-------------------------------|---------------------------------|----|
| | A | B | C |
| 1½ | 4 ⁵ / ₈ | 3 ¹⁵ / ₁₆ | 1¾ |


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

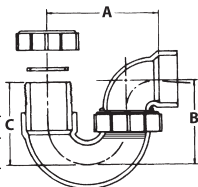
| SIZE | HUB X HUB | | |
|------|---------------------------------|--------------------------------|-------------------------------|
| | A | B | C |
| 2 | 6 ¹³ / ₁₆ | 4 ⁹ / ₁₆ | 2 ³ / ₈ |


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 |

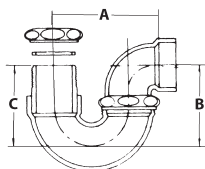


Note: Shading indicates available in PVC only.

PART NO. PVC 711X

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

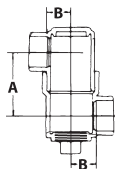
| SIZE | SLIP X HUB | | |
|------|-------------------------------|---------------------------------|-------------------------------|
| | A | B | C |
| 1½ | 4 ⁵ / ₈ | 3 ¹⁵ / ₁₆ | 3 ³ / ₄ |



PART NO. 720X

Drum Trap
 HUB X HUB

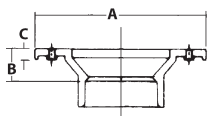
| SIZE | A | B |
|------------|---------------------------------|---------------------------------|
| 3 X 6 X 1½ | 4 ¹³ / ₁₆ | 1 ¹¹ / ₁₆ |



PART NO. 800 & 800K

Closet Flange
 HUB END

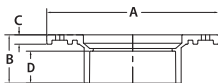
| SIZE | A | B | C |
|--------------------|---|----|------|
| 4 X 3 | 7 | 1¼ | 7/16 |
| 4 X 4 ^ø | 7 | 1¼ | 7/16 |



PART NO. ABS 800S*

Closet Flange with Stop
 HUB END

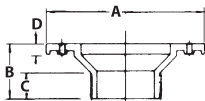
| SIZE | A | B | C | D |
|--------|---|----|------|----|
| 4 X 3* | 7 | 2¼ | 7/16 | 1½ |



PART NO. 801

Closet Flange, Reducing
 SPIGOT

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



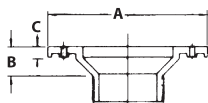
◇ 800K, 4"x4" not available in ABS

* Available in ABS only

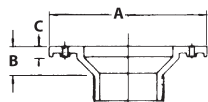
Note: Shading indicates available in PVC only.

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

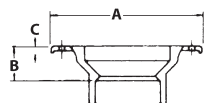
| SIZE | HUB END | | |
|-------|---------|-----------------|----------------|
| | A | B | C |
| 4 X 3 | 7 | 1 $\frac{1}{8}$ | $\frac{7}{16}$ |


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

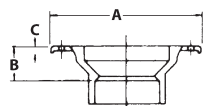
| SIZE | HUB END | | |
|--------|---------|-----------------|----------------|
| | A | B | C |
| 4 X 3* | 7 | 1 $\frac{1}{8}$ | $\frac{7}{16}$ |
| 4 X 4* | 7 | 1 $\frac{1}{8}$ | $\frac{7}{16}$ |


PART NO. 811
Closet Flange, Adjustable with Metal Ring

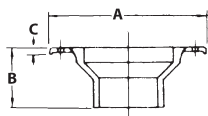
| SIZE | HUB END | | |
|-------|---------|-----------------|---------------|
| | A | B | C |
| 4 X 3 | 7 | 1 $\frac{1}{4}$ | $\frac{1}{4}$ |
| 4 X 4 | 7 | 1 $\frac{1}{8}$ | $\frac{1}{4}$ |


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

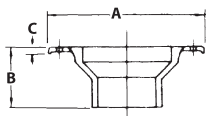


* Available in ABS only

Note: Shading indicates available in PVC only.

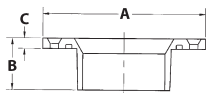
PART NO. 812P**Closet Flange, Adjustable with Plastic Ring**

| 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**

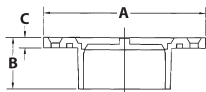
(Fits Over 3" Pipe or Inside 4" Pipe)

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

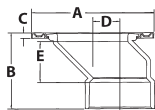
**PART NO. 815K****Flush Closet Flange with Knockout**

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

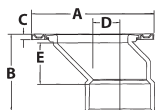
| SIZE | HUB | | |
|---------------|-----|--------------------------------|------|
| | A | B | C |
| 4 x 4 / 4 x 3 | 7 | 2 ⁷ / ₃₂ | 7/16 |

**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)

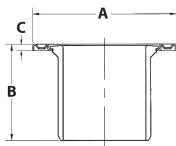
| SIZE | HUB | | | | |
|-------|-----|--------------------------------|------|-------------------------------|--------------------------------|
| | A | B | C | D | E |
| 4 x 3 | 7 | 4 ⁵ / ₁₆ | 7/16 | 1 ¹ / ₂ | 2 ⁵ / ₁₆ |



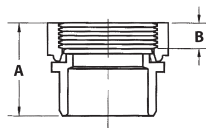
Note: Shading indicates available in PVC only.

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

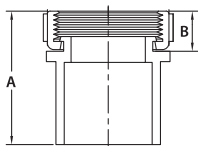
| SIZE | SPIGOT | | |
|------|--------|---------------------------------|-------------------------------|
| | A | B | C |
| 4* | 7 | 4 ¹¹ / ₁₆ | 1 ¹ / ₄ |


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

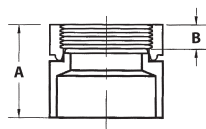
| SIZE | SPG X FPT | |
|-------------------------------|---------------------------------|---------------------------------|
| | A | B |
| 1 ¹ / ₂ | 1 ²³ / ₃₂ | 1 ¹⁵ / ₃₂ |


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

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


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

| SIZE | H X FPT | |
|---------------------------------|---------------------------------|---------------------------------|
| | A | B |
| 1 ¹ / ₂ * | 1 ¹³ / ₁₆ | 1 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

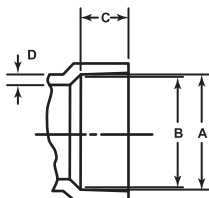
Testing with or use of compressed air or gas in PVC / ABS / CPVC pipe or fittings can result in explosive failures and cause severe injury or death.

- 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. |

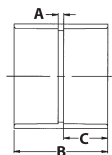
IPS Hub Dimensional Tolerances

| 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

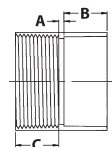
| SIZE | A | B | C |
|------|----------------|-----------------|------------------|
| 3 | $\frac{3}{16}$ | $3\frac{7}{32}$ | $1\frac{17}{32}$ |



PART NO. PVC 1101

Female Adapter
 FTP X HUB

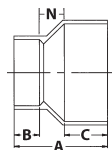
| SIZE | A | B | C |
|------|----------------|----------------|------------------|
| 3 | $\frac{3}{16}$ | $1\frac{1}{2}$ | $1\frac{17}{32}$ |



PART NO. PVC 1102

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

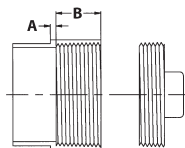


PART NO. PVC 1105X

Fitting Cleanout Adapter
 with Cleanout Plug

SPIGOT

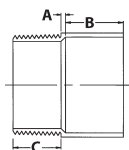
| SIZE | A | B |
|------|----------------|------------------|
| 3 | $\frac{7}{32}$ | $1\frac{17}{32}$ |



PART NO. PVC 1109

Male Adapter
 MPT X HUB

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

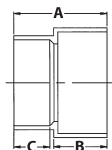


PART NO. PVC 1112

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 |

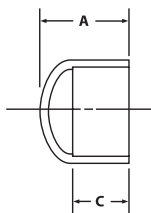


PART NO. PVC 1116

Cap

SOCKET

| SIZE | A | C |
|------|--------------------------------|---------------------------------|
| 3 | 2 ⁵ / ₁₆ | 1 ¹⁵ / ₁₆ |



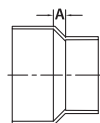
PART NO. PVC 1117

Adapter Coupling

(Adapts S&D Hub to DWV Hub)

SPIGOT X SPIGOT

| SIZE | A |
|-------|------|
| 4 x 3 | 9/16 |



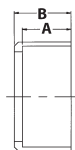
PART NO. PVC 1129

Hub Adapter

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

SPIGOT X HUB

| SIZE | A | B |
|-------|----|---------------------------------|
| 3 x 3 | 1½ | 1 ²⁵ / ₃₂ |

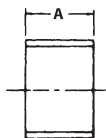


PART NO. PVC 1130

Repair Coupling

HUB X HUB

| SIZE | A |
|------|--------------------------------|
| 3 | 3 ³ / ₁₆ |

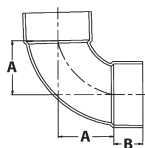


PART NO. PVC 1300

1/4 Bend

HUB X HUB

| SIZE | A | B |
|------|-------------------------------|---------------------------------|
| 3 | 2 ⁷ / ₈ | 1 ¹⁷ / ₃₂ |

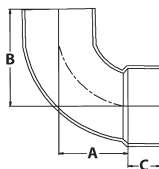


PART NO. PVC 1302

1/4 Bend, Street

SPIGOT X HUB

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

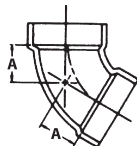


PART NO. PVC 1319

1/6 Bend

HUB X HUB

| SIZE | A |
|------|-------------------------------|
| 3 | 1 ¹ / ₂ |

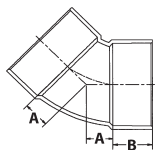


PART NO. PVC 1321

1/8 Bend

HUB X HUB

| SIZE | A | B |
|------|--------------------------------|---------------------------------|
| 3 | 1 ¹ / ₃₂ | 1 ¹⁷ / ₃₂ |

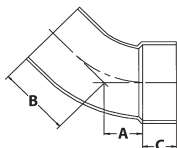


PART NO. PVC 1323

1/8 Bend, Street

SPIGOT X HUB

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

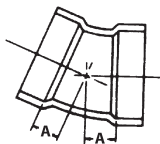


PART NO. PVC 1324

1/16 Bend

HUB X HUB

| SIZE | A |
|------|---------------------------------|
| 3 | 1 ¹¹ / ₁₆ |

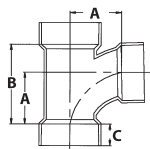


PART NO. PVC 1400

Sanitary Tee

HUB X HUB

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

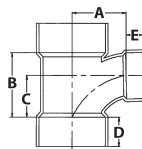


PART NO. PVC 1401

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 |

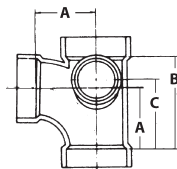
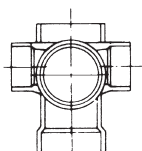


PART NO. PVC 1418

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 |

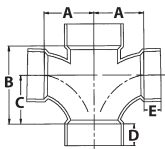


THIN WALL PVC DWV

PART NO. PVC 1429

Double Sanitary Tee, Reducing

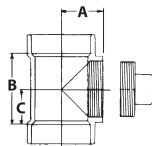
| SIZE | HUB X HUB | | | | |
|--------|-----------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| | A | B | C | D | E |
| 3 X 1½ | 2¼ | 2 ²¹ / ₃₂ | 1 ²⁵ / ₃₂ | 1 ¹⁷ / ₃₂ | 2 ²⁵ / ₃₂ |



PART NO. PVC 1444X

Cleanout Tee with Cleanout Plug

| SIZE | HUB X HUB X FTP | | |
|------|-----------------|----|----|
| | A | B | C |
| 3 | 2¾ | 3¾ | 1⅞ |

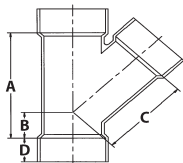


See Part No. 106
for plug dimensions.

PART NO. PVC 1600

Wye
 HUB X HUB

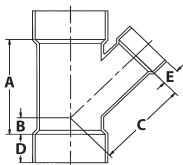
| SIZE | A | B | C | D |
|------|----|---|----|---------------------------------|
| 3 | 4⅞ | ¾ | 4⅞ | 1 ¹⁷ / ₃₂ |



PART NO. PVC 1601

Wye, Reducing
 HUB X HUB

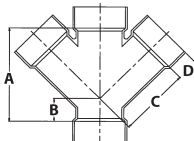
| SIZE | A | B | C | D | E |
|--------|---------------------------------|---|----|---------------------------------|---------------------------------|
| 3 X 1½ | 3 ¹¹ / ₁₆ | ¾ | 3½ | 1 ¹⁷ / ₃₂ | 2 ²⁵ / ₃₂ |
| 3 X 2 | 3 ¹¹ / ₁₆ | ¼ | 4¾ | 1 ¹⁷ / ₃₂ | 7/8 |



PART NO. PVC 1611

Double Wye
 HUB X HUB

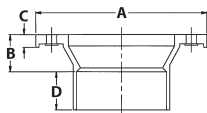
| SIZE | A | B | C | D |
|------|---------------------------------|--------------------------------|----|---------------------------------|
| 3 | 4 ²⁹ / ₃₂ | 1 ³ / ₁₆ | 4⅞ | 1 ¹⁷ / ₃₂ |



PART NO. PVC 1800

Closet Flange

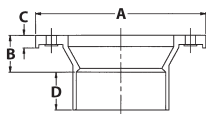
| SIZE | HUB | | | |
|-------|-----|----|------|-------|
| | A | B | C | D |
| 4 X 3 | 7 | 1¼ | 7/16 | 19/16 |



PART NO. PVC 1800K

Closet Flange

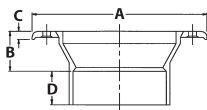
| SIZE | HUB | | | |
|-------|-----|----|------|-------|
| | A | B | C | D |
| 4 X 3 | 7 | 1¼ | 7/16 | 19/16 |



PART NO. PVC 1811

Closet Flange, Adjustable with Metal Ring

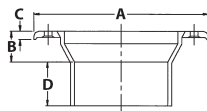
| SIZE | HUB | | | |
|-------|-----|----|---|----|
| | A | B | C | D |
| 4 X 3 | 6¾ | 1¼ | ¼ | 1½ |



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.

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

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

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

CHARLOTTE

PIPE AND FOUNDRY COMPANY

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CHARLOTTE

NORTH CAROLINA 28235

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FAX (800) 553-1605

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