

Discount Code(s): 310 PVC 80 PSI PIP Fabricated Fittings \_\_\_\_\_  
320 PVC 100 PSI PIP Fabricated Fittings \_\_\_\_\_  
330 PVC 125 PSI PIP Fabricated Fittings \_\_\_\_\_

*Item prices may have changed from  
those shown in this sheet.  
See Spears® On-line Catalog for most  
current pricing, updated daily.*



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



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PRICE SCHEDULE PIP-1-0910  
Effective September 26, 2010  
Supersedes PIP-1-1009



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

## HOW TO USE THIS CATALOG

Spears® PVC 80, 100 & 125 psi PIP Fabricated Fittings catalog has been arranged for easy use in selection of desired products according to configuration, size, pressure, part number and pricing information. Products in this catalog are listed in columns by configuration, such as Coupling (Socket), Coupling (Gasket), etc.; and pressure classification. Similar configuration types are grouped together. A complete listing of content is located at the end of this catalog.

Fittings in this catalog are for use with Plastic Irrigation Pipe (PIP) and do not have the same dimensions as Iron Pipe Size (IPS) products. Also note that all fitting outlets specified as 4" and under are IPS size.

## COLUMN HEADER INFORMATION

Each product column header label identifies the following product particulars:

Size	Nominal diameter of pipe with which the fitting is to be used. NOTE: Fittings may be same size (only one size designation) or reducing (multiple sizes designated).
80 PSI, 100 PSI, or 125 PSI	The pressure classification of the fitting for use with 80#, 100#, or 125# Plastic Irrigation Pipe (PIP)
Discount Code (Disc Code)	Identification code for applicable discount to the list price of the product. NOTE: This is a Product Group code and is not a calculation of discount. Discount codes are not the same for all products contained in this price schedule.
Part Number/List Price	The designated Part Number with the list price immediately underneath.

## PRODUCT CONFIGURATION

Each group of product configuration types is headed by the product's name and configuration description of the fitting outlet connections. Configuration descriptions are defined below. Line drawing illustrations are general representations of the fittings in the group, but may not be an exact depiction of all configurations listed. The configuration description correlates to the size designation. As with the nominal size designations, only one description is given when all outlets are the same. Reducing sizes list run configuration x branch configuration.

## CONFIGURATION DESCRIPTIONS & PART INFORMATION

Definitions of configuration descriptions and letter designation found within certain part numbers are as follows:

PIP	Plastic Irrigation Pipe
IPS	Iron Pipe Size
Gasket (Gasketed)	Elastomer gasket connection
Spigot (Spig)	Pipe size O.D. end
Socket (Soc)	Solvent Weld Socket
Fipt	Female Iron Pipe Thread
Mipt	Male Iron Pipe Thread
P	PIP size
PXI	PIP size x IPS size

**- PLEASE NOTE -**

Not all of the Fabricated Fittings listed in this price schedule are carried in Spears® Distribution Center inventories. When ordering Fabricated Fittings, please check your servicing Distribution Center for availability. ALL ORDERS FOR NON-STOCKED Fabricated Fittings are NON-CANCELABLE and NON-RETURNABLE.

All PIP Fabricated Fittings showing size outlets of 4" and under are IPS size on that outlet

Prices subject to change without notice. Possession of this price schedule shall not be construed as an offer to sell the products listed. Product drawings are representative and may not fully reflect product configurations.

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Repair Coupling (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	2928-060 93.33	3028-060 106.05	3328-060P 121.20
8	2928-080 130.74	3028-080 150.33	3328-080P 180.61
10	2928-100 225.70	3028-100 241.30	3328-100P 284.61
12	2928-120 314.82	3028-120 331.03	3328-120P 394.11
15	2928-150 469.73	3028-150 493.07	3328-150P 596.76
18	2928-180 782.63	3028-180 902.17	3328-180P 1242.34
21	2928-210 1081.41	3028-210 1298.29	3328-210P 1745.67
24	2928-240 1499.19	3028-240 1800.18	3328-240P 2441.62
27	2928-270 1919.96	3028-270 2396.76	3328-270P 3051.06

## Coupling (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100002 27.97	300-100002 31.49	3329-060P 41.72
8	290-100003 34.95	300-100003 43.09	3329-080P 53.06
10	290-100004 58.26	300-100004 68.77	3329-100P 84.90
12	290-100005 87.40	300-100005 106.05	3329-120P 137.84
15	290-100006 132.86	300-100006 181.80	3329-150P 207.09
18	290-100007 304.21	300-100007 382.32	3329-180P 466.16
21	290-100009 404.44	300-100009 667.88	3329-210P 754.06
24	290-100010 709.81	300-100010 890.49	3329-240P 906.89
27	2929-270 860.47	3029-270 1072.06	3329-270P 1656.01

## Coupling (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100068 58.26	300-100068 61.76	3329-06023P 77.28
8	290-100069 88.54	300-100069 95.56	3329-08023P 122.33
10	290-100070 131.69	300-100070 139.82	3329-10023P 181.67
12	290-100071 161.98	300-100071 189.97	3329-12023P 238.44
15	290-100072 250.56	300-100072 378.78	3329-15023P 440.60
18	290-100073 420.77	300-100073 512.86	3329-18023P 579.71
21	290-100075 615.44	300-100075 796.09	3329-21023P 883.44
24	2929-24023 751.79	3029-24023 1001.20	3329-24023P 1251.02
27	2929-27023 976.24	3029-27023 1220.16	3329-27023P 1525.47

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Coupling (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100090 69.93	300-100090 78.05	3329-0602P 101.00
8	290-100091 128.20	300-100091 144.67	3329-0802P 165.89
10	290-100092 164.06	300-100092 184.15	3329-1002P 243.90
12	290-100093 206.32	300-100093 269.50	3329-1202P 271.30
15	290-100094 332.16	300-100094 495.35	3329-1502P 515.15
18	290-100095 554.80	300-100095 585.14	3329-1802P 731.55
21	290-100097 693.52	300-100097 946.44	3329-2102P 1076.74
24	2929-2402 1164.46	3029-2402 1259.88	3329-2402P 1512.11
27	2929-2702 1341.97	3029-2702 1574.85	3329-2702P 1969.46

## Reducer Coupling (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6x 4	2929-532 34.43	3029-532 38.46	3329-532P 41.01
8x 4	2929-582 97.90	300-100927 105.04	3329-582P 122.21
8x 6	2929-585 50.97	300-100928 59.45	3329-585P 68.91
10x 4	2929-624 134.67	3029-624 156.16	3329-624P 171.61
10x 6	2929-626 111.35	300-100930 122.33	3329-626P 120.19
10x 8	2929-628 70.01	300-100931 81.56	3329-628P 152.40
12x 4	2929-664 193.29	3029-664 201.60	3329-664P 293.97
12x 6	2929-666 177.23	300-100933 188.83	3329-666P 272.28
12x 8	2929-668 123.50	300-100934 130.90	3329-668P 238.33
12x10	2929-670 101.99	300-100935 117.71	3329-670P 224.84
15x 4	2929-724 416.74	3029-724 445.93	3329-724P 528.50
15x 6	2929-726 393.99	3029-726 421.57	3329-726P 458.72
15x 8	2929-728 369.74	3029-728 399.33	3329-728P 430.37
15x10	2929-730 255.10	3029-730 319.35	3329-730P 347.36
15x12	2929-732 164.67	300-100940 189.97	3329-732P 327.71
18x 4	2929-784 810.98	3029-784 910.67	3329-784P 964.51
18x 6	2929-786 844.62	3029-786 891.07	3329-786P 944.44
18x 8	2929-788 778.60	3029-788 825.32	3329-788P 883.10
18x10	2929-790 501.05	3029-790 540.24	3329-790P 610.51
18x12	2929-792 491.19	3029-792 507.46	3329-792P 575.36
18x15	2929-795 295.17	300-100946 346.16	3329-795P 420.77



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Reducer Coupling (Socket) (continued)

	21x 4	2929-844 1030.07	3029-844 1085.69	3329-844P 1172.56
	21x 6	2929-846 986.80	3029-846 1046.00	3329-846P 1114.00
	21x 8	2929-848 823.57	3029-848 865.10	3329-848P 887.83
	21x10	2929-850 762.90	3029-850 805.63	3329-850P 832.93
	21x12	2929-852 768.18	3029-852 737.81	3329-852P 782.09
	21x15	2929-855 676.36	3029-855 716.86	3329-855P 859.59
	21x18	2929-858 407.12	300-100960 476.70	3329-858P 597.97
	24x 6	2929-906 1633.93	3029-906 1742.51	3329-906P 1899.33
	24x 8	2929-908 1550.21	3029-908 1625.68	3329-908P 1714.55
	24x10	2929-910 1475.67	3029-910 1555.35	3329-910P 1670.10
	24x12	2929-912 1291.64	3029-912 1368.78	3329-912P 1461.85
	24x15	2929-915 939.70	3029-915 1014.88	3329-915P 1027.45
	24x18	2929-918 891.66	3029-918 954.07	3329-918P 1018.56
	24x21	2929-921 603.54	300-100969 701.67	3329-921P 853.19
	27x 6	2929-936 2124.46	3029-936 2267.99	3329-936P 2449.44
	27x 8	2929-938 1976.05	3029-938 2144.91	3329-938P 2290.47
	27x10	2929-940 1852.65	3029-940 1973.84	3329-940P 2109.94
	27x12	2929-942 1740.57	3029-942 1845.01	3329-942P 1992.31
	27x15	2929-945 1371.10	3029-945 1465.06	3329-945P 1563.29
	27x18	2929-948 1286.20	3029-948 1375.65	3329-948P 1447.91
	27x21	2929-951 1066.72	3029-951 1277.61	3329-951P 1365.96
	27x24	2929-954 829.68	3029-954 1034.71	3329-954P 1290.29

### Reducer Coupling (Gasket x Spigot)

	6x 4	2929-53223 82.99	300-101310 85.07	3329-53223P 121.31
	8x 4	2929-58223 188.49	300-100927 105.04	3329-58223P 235.03
	8x 6	2929-58523 99.89	300-101312 121.20	3329-58523P 157.39
	10x 4	2929-62423 275.51	3029-62423 300.31	3329-62423P 330.01
	10x 6	2929-62623 214.14	300-100930 122.33	3329-62623P 268.52
	10x 8	2929-62823 162.82	300-101315 174.82	3329-62823P 240.54
	12x 4	2929-66423 371.70	3029-66423 387.69	3329-66423P 543.56
	12x 6	2929-66623 340.82	300-100933 188.83	3329-66623P 523.60

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Reducer Coupling (Gasket x Spigot) (continued)

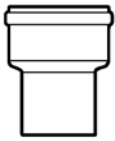
	12x 8	2929-66823 237.49	300-100934 130.90	3329-66823P 458.33
	12x10	2929-67023 228.05	300-101319 256.43	3329-67023P 313.18
	15x 4	2929-72423 801.44	3029-72423 857.55	3329-72423P 1081.22
	15x 6	2929-72623 757.67	3029-72623 810.71	3329-72623P 829.23
	15x 8	2929-72823 711.05	3029-72823 767.95	3329-72823P 815.32
	15x10	2929-73023 490.56	3029-73023 614.14	3329-73023P 712.17
	15x12	2929-73223 391.95	300-101324 426.60	3329-73223P 550.60
	18x 4	2929-78423 1659.12	3029-78423 1751.29	3329-78423P 1854.82
	18x 6	2929-78623 1624.26	3029-78623 1713.60	3329-78623P 1816.21
	18x 8	2929-78823 1497.19	3029-78823 1587.14	3329-78823P 1698.26
	18x10	2929-79023 963.55	3029-79023 1038.94	3329-79023P 1174.06
	18x12	2929-79223 944.61	3029-79223 975.88	3329-79223P 1106.46
	18x15	2929-79523 690.33	300-101330 811.27	3329-79523P 841.53
	21x 6	2929-84623 1897.68	3029-84623 2011.61	3329-84623P 2142.31
	21x 8	2929-84823 1647.15	3029-84823 1662.99	3329-84823P 1707.37
	21x10	2929-85023 1467.13	3029-85023 1549.28	3329-85023P 1601.78
	21x12	2929-85223 1364.41	3029-85223 1418.86	3329-85223P 1504.01
	21x15	2929-85523 1300.69	3029-85523 1378.59	3329-85523P 1464.49
	21x18	2929-85823 1022.29	300-101344 1296.31	3329-85823P 1382.38
	24x 6	2929-90623 3142.17	3029-90623 3350.97	3329-90623P 3652.01
	24x 8	2929-90823 2981.18	3029-90823 3126.30	3329-90823P 3297.21
	24x10	2929-91023 2837.82	3029-91023 2990.39	3329-91023P 3211.72
	24x12	2929-91223 2483.91	3029-91223 2631.28	3329-91223P 2811.24
	24x15	2929-91523 1807.12	3029-91523 1951.70	3329-91523P 2554.67
	24x18	2929-91823 1714.72	3029-91823 1925.30	3329-91823P 2431.73
	24x21	2929-92123 1525.50	3029-92123 1892.93	3329-92123P 2318.56
	27x 6	2929-93623 4085.49	3029-93623 4361.53	3329-93623P 4709.76
	27x 8	2929-93823 3799.89	3029-93823 4124.30	3329-93823P 4402.87
	27x10	2929-94023 3562.79	3029-94023 3806.98	3329-94023P 4056.84
	27x12	2929-94223 3345.15	3029-94223 3547.55	3329-94223P 3830.49
	27x15	2929-94523 2635.64	3029-94523 2816.28	3329-94523P 3345.15

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

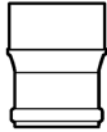


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Reducer Coupling (Gasket x Spigot) (continued)

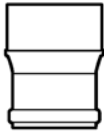
	27x18	2929-94823 2465.88	3029-94823 2644.34	3329-94823 3235.63
	27x21	2929-95123 2180.76	3029-95123 2454.99	3329-95123P 3190.62
	27x24	2929-95423 2135.56	3029-95423 2685.26	3329-95423P 3157.11

## Reducer Coupling (Spigot x Gasket)

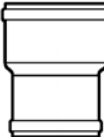
	6x 4	2929-53232 79.04	300-101383 81.94	3329-53232P 105.44
	8x 4	2929-58232 180.96	3029-58232 193.94	3329-58232P 225.63
	8x 6	2929-58532 95.90	300-101385 114.19	3329-58532P 121.86
	10x 4	2929-62432 264.49	3029-62432 288.30	3329-62432P 316.82
	10x 6	2929-62632 205.56	3029-62632 225.85	3329-62632P 257.79
	10x 8	2929-62832 150.70	300-101388 170.37	3329-62832P 217.60
	12x 4	2929-66432 356.84	3029-66432 372.18	3329-66432P 521.82
	12x 6	2929-66632 327.18	3029-66632 348.62	3329-66632P 502.65
	12x 8	2929-66832 228.00	3029-66832 263.40	3329-66832P 439.90
	12x10	2929-67032 218.02	300-101392 241.30	3329-67032P 307.76
	15x 4	2929-72432 769.37	3029-72432 823.24	3329-72432P 1037.98
	15x 6	2929-72632 727.36	3029-72632 778.30	3329-72632P 846.87
	15x 8	2929-72832 682.62	3029-72832 737.23	3329-72832P 782.70
	15x10	2929-73032 470.84	3029-73032 589.56	3329-73032P 683.68
	15x12	2929-73232 320.15	300-101397 373.00	3329-73232P 529.15
	18x 4	2929-78432 1592.76	3029-78432 1681.23	3329-78432P 1780.63
	18x 6	2929-78632 1559.28	3029-78632 1645.04	3329-78632P 1743.57
	18x 8	2929-78832 1437.30	3029-78832 1523.65	3329-78832P 1630.33
	18x10	2929-79032 924.78	3029-79032 997.37	3329-79032P 1127.10
	18x12	2929-79232 906.81	3029-79232 936.85	3329-79232P 1062.20
	18x15	2929-79532 627.70	300-101403 721.49	3329-79532P 810.12
	21x 6	2929-84632 1821.78	3029-84632 1931.15	3329-84632P 2056.61
	21x 8	2929-84832 1581.26	3029-84832 1596.47	3329-84832P 1684.56
	21x10	2929-85032 1385.81	3029-85032 1487.30	3329-85032P 1537.71
	21x12	2929-85232 1309.85	3029-85232 1362.11	3329-85232P 1442.73
	21x15	2929-85532 1248.66	3029-85532 1323.31	3329-85532P 1405.88
	21x18	2929-85832 964.50	300-101417 1087.48	3329-85832P 1262.36

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Reducer Coupling (Spigot x Gasket) (continued)

	24x 6	2929-90632 3016.48	3029-90632 3216.93	3329-90632P 3506.02
	24x 8	2929-90832 2861.93	3029-90832 3001.24	3329-90832P 3165.32
	24x10	2929-91032 2724.31	3029-91032 2870.78	3329-91032P 3083.38
	24x12	2929-91232 2384.79	3029-91232 2526.03	3329-91232P 2698.78
	24x15	2929-91532 1735.09	3029-91532 1875.17	3329-91532P 2452.49
	24x18	2929-91832 1646.13	3029-91832 1848.28	3329-91832P 2333.72
	24x21	2929-92132 1501.16	3029-92132 1807.84	3329-92132P 2010.61
	27x 6	2929-93632 3922.06	3029-93632 4187.23	3329-93632P 4521.37
	27x 8	2929-93832 3647.90	3029-93832 3959.07	3329-93832P 4222.95
	27x10	2929-94032 3420.19	3029-94032 3654.71	3329-94032P 3894.56
	27x12	2929-94232 3211.34	3029-94232 3405.66	3329-94232P 3677.28
	27x15	2929-94532 2530.38	3029-94532 2703.62	3329-94532P 3210.50
	27x18	2929-94832 2367.24	3029-94832 2538.57	3329-94832P 3106.20
	27x21	2929-95132 2093.52	3029-95132 2356.79	3329-95132P 2878.98
	27x24	2929-95432 2097.91	3029-95432 2512.72	3329-95432P 3030.15

## Reducer Coupling (Gasketed)

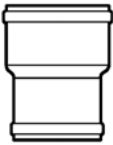
	6x 4	2929-5322 96.12	300-101456 114.19	3329-5322P 145.18
	8x 4	2929-5822 215.33	3029-5822 230.79	3329-5822P 268.49
	8x 6	2929-5852 121.57	300-101458 150.33	3329-5852P 186.86
	10x 4	2929-6242 314.73	3029-6242 343.07	3329-6242P 375.73
	10x 6	2929-6262 245.01	3029-6262 268.77	3329-6262P 306.78
	10x 8	2929-6282 213.30	300-101461 241.30	3329-6282P 301.60
	12x 4	2929-6642 424.64	3029-6642 443.09	3329-6642P 620.97
	12x 6	2929-6662 389.35	3029-6662 414.86	3329-6662P 598.16
	12x 8	2929-6682 317.32	3029-6682 370.38	3329-6682P 523.48
	12x10	2929-6702 286.54	300-101465 331.03	3329-6702P 417.00
	15x 4	2929-7242 916.69	3029-7242 979.78	3329-7242P 1235.26
	15x 6	2929-7262 865.56	3029-7262 926.17	3329-7262P 1008.72
	15x 8	2929-7282 812.31	3029-7282 877.31	3329-7282P 931.41
	15x10	2929-7302 560.21	3029-7302 683.89	3329-7302P 813.59
	15x12	2929-7322 422.71	300-101470 481.37	3329-7322P 601.43



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Reducer Coupling (Gasketed) (continued)


	18x 4	2929-7842 1894.89	3029-7842 2000.64	3329-7842P 2118.46
	18x 6	2929-7862 1855.54	3029-7862 1957.61	3329-7862P 2074.85
	18x 8	2929-7882 1710.39	3029-7882 1813.15	3329-7882P 1940.12
	18x10	2929-7902 1100.48	3029-7902 1186.87	3329-7902P 1341.24
	18x12	2929-7922 1079.06	3029-7922 1114.85	3329-7922P 1264.61
	18x15	2929-7952 755.21	300-101476 841.53	3329-7952P 961.59
	21x 6	2929-8462 2167.88	3029-8462 2298.06	3329-8462P 2447.36
	21x 8	2929-8482 1881.70	3029-8482 1898.94	3329-8482P 2003.98
	21x10	2929-8502 1649.12	3029-8502 1769.65	3329-8502P 1830.26
	21x12	2929-8522 1558.73	3029-8522 1620.91	3329-8522P 1717.13
	21x15	2929-8552 1485.48	3029-8552 1574.36	3329-8552P 1672.68
	21x18	2929-8582 1236.34	300-101489 1322.97	3329-8582P 1472.16
	24x 6	2929-9062 3589.13	3029-9062 3828.85	3329-9062P 4170.93
	24x 8	2929-9082 3405.97	3029-9082 3571.48	3329-9082P 3766.73
	24x10	2929-9102 3241.66	3029-9102 3415.39	3329-9102P 3668.59
	24x12	2929-9122 2837.63	3029-9122 3005.98	3329-9122P 3212.03
	24x15	2929-9152 2064.59	3029-9152 2231.45	3329-9152P 2918.44
	24x18	2929-9182 2015.91	3029-9182 2199.27	3329-9182P 2777.02
	24x21	2929-9212 1992.23	3029-9212 2175.01	3329-9212P 2757.57
	27x 6	2929-9362 4667.88	3029-9362 4942.62	3329-9362P 5380.32
	27x 8	2929-9382 4341.97	3029-9382 4710.98	3329-9382P 5024.78
	27x10	2929-9402 4069.91	3029-9402 4348.70	3329-9402P 4634.21
	27x12	2929-9422 3820.73	3029-9422 4052.41	3329-9422P 4375.64
	27x15	2929-9452 3011.36	3029-9452 3216.07	3329-9452P 3819.43
	27x18	2929-9482 2816.09	3029-9482 3020.79	3329-9482P 3695.52
	27x21	2929-9512 2604.68	3029-9512 2916.77	3329-9512P 3644.34
	27x24	2929-9542 2512.70	3029-9542 2788.60	3329-9542P 3553.91

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

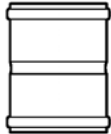
### PIP X IPS Reducer (Socket)

	6x 4	2929-532 34.43	300-101536 38.46	3329-532P 3553.91
	8x 6	---	300-101537 45.43	---
	10x 6	---	3029-626P 140.00	---
	10x 8	---	300-101538 103.31	---
	12x10	---	300-101539 124.68	---
	15x10	---	300-101541 314.70	---
	15x12	---	300-101540 214.46	---


### IPS X PIP Adapter (Socket)

	6	---	300-101649 37.27	---
	8	---	300-101650 53.57	---
	10	---	300-101651 89.76	---
	12	---	300-101652 139.82	---

### IPS X PIP Adapter (Gasketed)

	6	---	300-101747 90.88	---
	8	---	300-101748 148.34	---
	10	---	300-101749 213.35	---
	12	---	300-101750 300.71	---

### 11-1/4° Elbow (Socket)

	6	290-100114 31.49	300-100114 37.27	3311-060P 46.14
	8	290-100115 51.24	300-100115 55.91	3311-080P 68.67
	10	290-100116 92.03	300-100116 106.05	3311-100P 133.02
	12	290-100117 130.50	300-100117 148.04	3311-120P 183.07
	15	290-100118 202.80	300-100118 248.23	3311-150P 322.86
	18	290-100119 348.48	300-100119 412.62	3311-180P 512.86
	21	290-100121 581.61	300-100121 663.19	3311-210P 863.71
	24	290-100122 782.10	300-100122 863.71	3311-240P 932.46
	27	2911-270 980.55	3011-270 1047.29	3311-270P 1362.20

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## 11-1/4° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100186 93.23	300-100186 114.19	3311-06023P 132.99
8	290-100187 151.50	300-100187 169.00	3311-08023P 197.91
10	290-100188 227.28	300-100188 250.56	3311-10023P 290.39
12	290-100189 308.84	300-100189 361.32	3311-12023P 419.88
15	290-100190 544.33	300-100190 596.76	3311-15023P 706.35
18	290-100191 862.52	300-100191 988.41	3311-18023P 1174.93
21	290-100193 1273.97	300-100193 1370.76	3311-21023P 1782.19
24	2911-24023 2108.47	3011-24023 2386.01	3311-24023P 2995.09
27	2911-27023 2727.97	3011-27023 3085.71	3311-27023P 3729.26

## 11-1/4° Elbow (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100210 93.23	300-100210 114.19	3311-0602P 132.99
8	290-100211 151.50	300-100211 169.00	3311-0802P 197.91
10	290-100212 227.28	300-100212 250.56	3311-1002P 290.39
12	290-100213 308.84	300-100213 361.32	3311-1202P 419.88
15	290-100214 544.33	300-100214 596.76	3311-1502P 706.35
18	290-100215 862.52	300-100215 988.41	3311-1802P 1174.93
21	290-100217 1273.97	300-100217 1370.76	3311-2102P 1782.19
24	2911-2402 2108.47	3011-2402 2386.01	3311-2402P 2995.09
27	2911-2702 2727.97	3011-2702 3085.71	3311-2702P 3729.26

## 15° Elbow (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100234 31.49	300-100234 37.27	3318-060P 46.14
8	290-100235 51.24	300-100235 55.91	3318-080P 68.67
10	290-100236 92.03	300-100236 106.05	3318-100P 133.02
12	290-100237 130.50	300-100237 148.04	3318-120P 183.07
15	290-100238 202.80	300-100238 248.23	3318-150P 322.86
18	290-100239 348.48	300-100239 412.62	3318-180P 512.86
21	290-100241 581.61	300-100241 663.19	3318-210P 863.71
24	290-100242 782.10	300-100242 863.71	3318-240P 932.46
27	2918-270 980.55	3018-270 1047.29	3318-270P 1362.20

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## 15° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100306 93.23	300-100306 114.19	3318-06023P 132.99
8	290-100307 151.50	300-100307 169.00	3318-08023P 197.91
10	290-100308 227.28	300-100308 250.56	3318-10023P 290.39
12	290-100309 308.84	300-100309 361.32	3318-12023P 419.88
15	290-100310 544.33	300-100310 596.76	3318-15023P 706.35
18	290-100311 862.52	300-100311 988.41	3318-18023P 1174.93
21	290-100313 1273.97	300-100313 1370.76	3318-21023P 1782.19
24	2918-24023 2108.47	3018-24023 2386.01	3318-24023P 2995.09
27	2918-27023 2727.97	3018-27023 3085.71	3318-27023P 3729.26

## 15° Elbow (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100330 93.23	300-100330 114.19	3318-0602P 132.99
8	290-100331 151.50	300-100331 169.00	3318-0802P 197.91
10	290-100332 227.28	300-100332 250.56	3318-1002P 290.39
12	290-100333 308.84	300-100333 361.32	3318-1202P 419.88
15	290-100334 544.33	300-100334 596.76	3318-1502P 706.35
18	290-100335 862.52	300-100335 988.41	3318-1802P 1174.93
21	290-100336 1274.01	300-100336 1370.76	3318-2102P 1782.19
24	2918-2402 2108.47	3018-2402 2386.01	3318-2402P 2995.09
27	2918-2702 2727.97	3018-2702 3085.71	3318-2702P 3729.26

## 22-1/2° Elbow (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
Part Number Price Each	Part Number Price Each	Part Number Price Each	Part Number Price Each
6	290-100354 31.49	300-100354 37.27	3316-060P 45.45
8	290-100355 51.24	300-100355 55.91	3316-080P 68.10
10	290-100356 92.03	300-100356 106.05	3316-100P 133.02
12	290-100357 130.50	300-100357 148.04	3316-120P 183.07
15	290-100358 202.80	300-100358 248.23	3316-150P 322.86
18	290-100359 348.48	300-100359 412.62	3316-180P 512.86
21	290-100361 581.61	300-100361 663.19	3316-210P 863.71
24	290-100362 782.10	300-100362 863.71	3316-240P 932.46
27	2916-270 980.55	3016-270 1047.29	3316-270P 1362.20



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### 22-1/2° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100426 93.23	300-100426 114.19	3316-06023P 132.99
8	290-100427 151.50	300-100427 169.00	3316-08023P 197.91
10	290-100428 227.28	300-100428 250.56	3316-10023P 290.39
12	290-100429 308.84	300-100429 361.32	3316-12023P 419.88
15	290-100430 544.33	300-100430 596.76	3316-15023P 706.35
18	290-100431 862.52	300-100431 988.41	3316-18023P 1174.93
21	290-100433 1273.97	300-100433 1370.76	3316-21023P 1782.19
24	2916-24023 2108.47	3016-24023 2386.01	3316-24023P 2995.09
27	2916-27023 2727.97	3016-27023 3085.71	3316-27023P 3729.26

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### 30° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100546 116.52	300-100546 134.04	3315-06023P 160.05
8	290-100547 174.82	300-100547 189.97	3315-08023P 225.86
10	290-100548 245.90	300-100548 272.73	3315-10023P 319.40
12	290-100549 331.03	300-100549 388.14	3315-12023P 456.13
15	290-100550 673.71	300-100550 785.61	3315-15023P 877.67
18	290-100551 946.44	300-100551 1113.11	3315-18023P 1391.68
21	290-100553 1410.36	300-100553 1204.94	3315-21023P 1981.52
24	2915-24023 2262.72	3015-24023 3102.89	3315-24023P 3214.02
27	2915-27023 3057.07	3015-27023 3567.53	3315-27023P 4177.83

### 22-1/2° Elbow (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100450 93.23	300-100450 114.19	3316-0602P 132.99
8	290-100451 151.50	300-100451 169.00	3316-0802P 197.91
10	290-100452 227.28	300-100452 250.56	3316-1002P 290.39
12	290-100453 308.84	300-100453 361.32	3316-1202P 419.88
15	290-100454 544.33	300-100454 596.76	3316-1502P 706.35
18	290-100455 862.52	300-100455 988.41	3316-1802P 1174.93
21	290-100457 1273.97	300-100457 1370.76	3316-2102P 1782.19
24	2916-2402 2108.47	3016-2402 2386.01	3316-2402P 2995.09
27	2916-2702 2727.97	3016-2702 3085.71	3316-2702P 3729.26

### 30° Elbow (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100570 116.52	300-100570 134.04	3315-0602P 160.05
8	290-100571 174.82	300-100571 189.97	3315-0802P 225.86
10	290-100572 245.90	300-100572 272.73	3315-1002P 319.40
12	290-100573 331.03	300-100573 388.14	3315-1202P 456.13
15	290-100574 673.71	300-100574 785.61	3315-1502P 877.67
18	290-100575 946.44	300-100575 1113.11	3315-1802P 1391.68
21	290-100577 1410.36	300-100577 1204.94	3315-2102P 1981.52
24	2915-2402 2262.97	3015-2402 3102.89	3315-2402P 3214.02
27	2915-2702 3057.07	3015-2702 3567.53	3315-2702P 4177.83

### 30° Elbow (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100474 47.76	300-100474 50.12	3315-060P 64.11
8	290-100475 72.29	300-100475 87.40	3315-080P 108.22
10	290-100476 111.84	300-100476 131.69	3315-100P 163.80
12	290-100477 160.81	300-100477 195.81	3315-120P 217.18
15	290-100478 254.07	300-100478 304.21	3315-150P 376.46
18	290-100479 414.94	300-100479 507.02	3315-180P 635.22
21	290-100481 671.38	300-100481 818.27	3315-210P 1030.37
24	290-100482 1915.10	300-100482 2226.30	3315-240P 2337.04
27	2915-270 2110.82	3015-270 2374.79	3315-270P 2616.14

### 45° Elbow (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
6	290-100592 47.76	300-100592 50.12	3317-060P 64.13
8	290-100593 72.29	300-100593 87.40	3317-080P 108.22
10	290-100594 111.84	300-100594 131.69	3317-100P 163.80
12	290-100595 160.81	300-100595 195.81	3317-120P 217.18
15	290-100596 254.07	300-100596 304.21	3317-150P 376.46
18	290-100597 414.94	300-100597 507.02	3317-180P 635.22
21	290-100599 671.38	300-100599 818.27	3317-210P 1030.37
24	290-100600 1915.10	300-100600 2226.30	3317-240P 2337.04
27	2917-270 2110.82	3017-270 2374.79	3317-270P 2616.14




# PVC 80, 100 & 125 PSI PIP Fabricated Fittings




Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each


## 45° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100658 116.52	300-100658 134.04	3317-06023P 160.05
	8	290-100659 174.82	300-100659 189.97	3317-08023P 225.86
	10	290-100660 245.90	300-100660 272.73	3317-10023P 319.40
	12	290-100661 331.03	300-100661 388.14	3317-12023P 456.13
	15	290-100662 673.71	300-100662 785.61	3317-15023P 877.67
	18	290-100663 946.44	300-100663 1113.11	3317-18023P 1391.68
	21	290-100665 1410.36	300-100665 1204.94	3317-21023P 1981.52
	24	2917-24023 2262.97	3017-24023 3102.89	3317-24023P 3214.02
	27	2917-27023 3057.07	3017-27023 3567.53	3317-27023P 4177.83

## 45° Elbow (Gasketed)


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100680 116.52	300-100680 134.04	3317-0602P 160.05
	8	290-100681 174.82	300-100681 189.97	3317-0802P 225.86
	10	290-100682 245.90	300-100682 272.73	3317-1002P 319.40
	12	290-100683 331.03	300-100683 388.14	3317-1202P 456.13
	15	290-100684 673.71	300-100684 785.61	3317-1502P 877.67
	18	290-100685 946.44	300-100685 1113.11	3317-1802P 1391.68
	21	290-100687 1410.36	300-100687 1677.31	3317-2102P 1981.52
	24	2917-2402 2262.97	3017-2402 3102.89	3317-2402P 3214.02
	27	2917-2702 3057.07	3017-2702 3567.53	3317-2702P 4177.83

## 60° Elbow (Socket)


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100702 115.39	300-100702 135.21	3324-060P 167.63
	8	290-100703 156.18	300-100703 213.32	3324-080P 243.21
	10	290-100704 256.43	300-100704 300.71	3324-100P 335.67
	12	290-100705 329.81	300-100705 421.90	3324-120P 436.69
	15	290-100706 550.16	300-100706 653.90	3324-150P 748.30
	18	290-100707 827.55	300-100707 974.39	3324-180P 1280.97
	21	290-100709 1294.96	300-100709 1570.04	3324-210P 1929.07
	24	290-100710 2894.21	300-100710 3451.37	3324-240P 3635.49
	27	2924-270 3083.16	3024-270 3660.88	3324-270P 4047.28

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

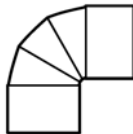
## 60° Elbow (Gasket x Spigot)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100768 139.82	300-100768 151.50	3324-06023P 222.98
	8	290-100769 221.47	300-100769 242.41	3324-08023P 289.70
	10	290-100770 329.81	300-100770 374.12	3324-10023P 447.49
	12	290-100771 448.76	300-100771 531.50	3324-12023P 643.82
	15	290-100772 860.21	300-100772 1086.33	3324-15023P 1225.05
	18	290-100773 1442.99	300-100773 1670.29	3324-18023P 1698.29
	21	290-100775 2091.09	300-100775 2507.23	3324-21023P 3028.27
	24	2924-24023 3337.52	3024-24023 3792.89	3324-24023P 4742.61
	27	2924-27023 4528.65	3024-27023 5245.46	3324-27023P 6235.45

## 60° Elbow (Gasketed)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100790 139.82	300-100790 151.50	3324-0602P 222.98
	8	290-100791 221.47	300-100791 242.41	3324-0802P 289.70
	10	290-100792 329.81	300-100792 374.12	3324-1002P 447.49
	12	290-100793 448.76	300-100793 531.50	3324-1202P 643.82
	15	290-100794 860.21	300-100794 1086.33	3324-1502P 1225.05
	18	290-100795 1442.99	300-100795 1670.29	3324-1802P 1698.29
	21	290-100797 2091.09	300-100797 2507.23	3324-2102P 3028.27
	24	2924-2402 3337.52	3024-2402 3792.89	3324-2402P 4742.61
	27	2924-2702 4528.65	3024-2702 5245.46	3324-2702P 6235.45

## 90° Elbow (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330	
	6	290-100812 115.39	300-100812 135.21	3306-060P 167.63
	8	290-100813 156.18	300-100813 213.32	3306-080P 243.24
	10	290-100814 256.43	300-100814 300.71	3306-100P 335.67
	12	290-100815 329.81	300-100815 421.90	3306-120P 436.69
	15	290-100816 550.16	300-100816 653.90	3306-150P 748.30
	18	290-100817 827.55	300-100817 974.39	3306-180P 1280.97
	21	290-100819 1294.96	300-100819 1570.04	3306-210P 1929.07
	24	290-100820 2894.21	300-100820 3451.37	3306-240P 3635.49
	27	2906-270 3083.16	3006-270 3660.88	3306-270P 4047.28



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### 90° Elbow (Gasket x Spigot)

	6	290-100878 139.82	300-100878 151.50	3306-06023P 222.98
	8	290-100879 221.47	300-100879 242.41	3306-08023P 289.70
	10	290-100880 329.81	300-100880 374.12	3306-10023P 447.49
	12	290-100881 448.76	300-100881 531.50	3306-12023P 643.82
	15	290-100882 860.21	300-100882 1086.33	3306-15023P 1225.05
	18	290-100883 1442.99	300-100883 1670.29	3306-18023P 1698.29
	21	290-100885 2091.09	300-100885 2507.23	3306-21023P 3028.27
	24	2906-24023 3337.52	3006-24023 3792.89	3306-24023P 4742.61
	27	2906-27023 4528.65	3006-27023 5245.46	3306-27023P 6235.45

### 90° Elbow (Gasketed)

	6	290-100900 139.82	300-100900 151.50	3306-0602P 222.98
	8	290-100901 221.47	300-100901 242.41	3306-0802P 289.70
	10	290-100902 329.81	300-100902 374.12	3306-1002P 447.49
	12	290-100903 448.76	300-100903 531.50	3306-1202P 643.82
	15	290-100904 860.21	300-100904 1086.33	3306-1502P 1225.05
	18	290-100905 1442.99	300-100905 1670.29	3306-1802P 1698.29
	21	290-100907 2091.09	300-100907 2507.23	3306-2102P 3028.27
	24	2906-2402 3337.52	3006-2402 3792.89	3306-2402P 4742.61
	27	2906-2702 4528.65	3006-2702 5245.46	3306-2702P 6235.45

### Tee (Socket)

	6	290-102502 85.07	300-102502 101.79	3301-060P 102.34
	6x 2	290-102499 59.45	300-102499 68.77	3301-528P 77.18
	6x 3	290-102500 64.06	300-102500 73.41	3301-530P 83.05
	6x 4	290-102501 66.43	300-102501 76.89	3301-532P 86.16
	8	290-102507 146.71	300-102507 150.33	3301-080P 205.17
	8x 2	290-102503 73.41	300-102503 85.07	3301-578P 116.38
	8x 3	290-102504 81.56	300-102504 92.03	3301-580P 126.83
	8x 4	290-102505 92.03	300-102505 100.26	3301-582P 137.20
	8x 6	290-102506 109.52	300-102506 123.54	3301-585P 169.99
	10	290-102513 212.11	300-102513 241.30	3301-100P 306.26
	10x 2	290-102508 107.21	300-102508 117.71	3301-621P 161.80

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Tee (Socket) (continued)

	10x 3	290-102509 117.71	300-102509 150.33	3301-623P 205.89
	10x 4	290-102510 136.37	300-102510 153.83	3301-624P 212.12
	10x 6	290-102511 150.33	300-102511 157.34	3301-626P 232.72
	10x 8	290-102512 173.68	300-102512 209.81	3301-628P 288.62
	12	290-102520 300.71	300-102520 384.60	3301-120P 481.52
	12x 2	290-102514 142.17	300-102514 170.11	3301-661P 253.61
	12x 3	290-102515 167.86	300-102515 203.95	3301-663P 280.32
	12x 4	290-102516 189.97	300-102516 226.11	3301-664P 309.54
	12x 6	290-102517 200.44	300-102517 245.90	3301-666P 338.80
	12x 8	290-102518 236.60	300-102518 290.21	3301-668P 401.07
	12x10	290-102519 272.73	300-102519 334.50	3301-670P 444.99
	15	290-102528 562.95	300-102528 662.05	3301-150P 860.21
	15x 2	290-102521 262.26	300-102521 306.52	3301-721P 384.60
	15x 3	290-102522 276.24	300-102522 322.86	3301-723P 409.16
	15x 4	290-102523 284.39	300-102523 336.85	3301-724P 423.09
	15x 6	290-102524 308.84	300-102524 370.63	3301-726P 479.05
	15x 8	290-102525 356.64	300-102525 414.94	3301-728P 551.34
	15x10	290-102526 404.44	300-102526 490.72	3301-730P 623.57
	15x12	290-102527 462.69	300-102527 551.34	3301-732P 719.79
	18	290-102537 871.85	300-102537 1016.37	3301-180P 1447.70
	18x 2	290-102529 455.55	300-102529 497.66	3301-781P 607.27
	18x 3	290-102530 469.73	300-102530 510.49	3301-783P 679.51
	18x 4	290-102531 519.83	300-102531 561.82	3301-784P 723.82
	18x 6	290-102532 534.98	300-102532 581.61	3301-786P 741.31
	18x 8	290-102533 557.15	300-102533 606.09	3301-788P 827.55
	18x10	290-102534 588.61	300-102534 651.56	3301-790P 904.48
	18x12	290-102535 651.56	300-102535 773.96	3301-792P 1016.37
	18x15	290-102536 755.30	300-102536 935.96	3301-795P 1183.11
	21	290-102558 1608.52	300-102558 1892.93	3301-210P 2157.52
	21x 2	290-102548 660.44	300-102548 829.88	3301-841P 944.12
21x 3	290-102549 676.54	300-102549 835.70	3301-843P 960.47	

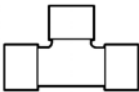
# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Tee (Socket) (continued)

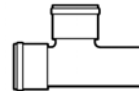
21x 4	290-102550 699.33	300-102550 845.04	3301-844P 1002.41
21x 6	290-102551 741.31	300-102551 1024.53	3301-846P 1149.29
21x 8	290-102552 791.41	300-102552 1054.84	3301-848P 1197.05
21x10	290-102553 843.86	300-102553 1094.47	3301-850P 1253.02
21x12	290-102554 924.32	300-102554 1104.98	3301-852P 1558.40
21x15	290-102555 1018.72	300-102555 1266.98	3301-855P 1781.03
21x18	290-102556 1188.87	300-102556 1447.70	3301-858P 2031.67
24	290-102570 2196.02	300-102570 2532.84	3301-240P 2588.83
24x 2	290-102559 871.85	300-102559 1030.37	3301-901P 1113.11
24x 3	290-102560 927.78	300-102560 1086.33	3301-903P 1169.07
24x 4	290-102561 980.27	300-102561 1169.07	3301-904P 1253.02
24x 6	290-102562 1032.73	300-102562 1253.02	3301-906P 1335.78
24x 8	290-102563 1100.32	300-102563 1335.78	3301-908P 1447.70
24x10	290-102564 1132.94	300-102564 1447.70	3301-910P 1558.40
24x12	290-102565 1225.05	300-102565 1558.40	3301-912P 1670.29
24x15	290-102566 1345.06	300-102566 1698.29	3301-915P 1837.01
24x18	290-102567 1531.60	300-102567 1920.90	3301-918P 2087.60
24x21	290-102569 1722.72	300-102569 2058.40	3301-921P 2476.90
27	2901-270 3326.81	3001-270 3941.39	3301-270P 4876.79
27x 4	2901-934 1186.14	3001-934 1489.27	3301-934P 1860.13
27x 6	2901-936 1251.55	3001-936 1603.40	3301-936P 2004.07
27x 8	2901-938 1332.24	3001-938 1716.30	3301-938P 2146.71
27x10	2901-940 1349.89	3001-940 1835.18	3301-940P 2295.26
27x12	2901-942 1483.59	3001-942 1982.66	3301-942P 2478.27
27x15	2901-945 1628.41	3001-945 2182.34	3301-945P 2729.00
27x18	2901-948 1855.27	3001-948 2474.62	3301-948P 3092.68
27x21	2901-951 2087.30	3001-951 2632.73	3301-951P 3290.14
27x24	2901-954 2661.28	3001-954 3250.83	3301-954P 4062.60



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Tee (Gasket x Spigot x Gasket)

6	290-103062 174.82	300-103062 180.64	3301-060232P 192.74
6x 4	290-103061 151.50	300-103061 169.00	3301-532232P 182.11
8	290-103067 221.47	300-103067 241.30	3301-080232P 289.83
8x 4	290-103065 186.50	300-103065 205.11	3301-582232P 217.55
8x 6	290-103066 209.81	300-103066 216.80	3301-585232P 253.67
10	290-103073 331.03	300-103073 367.17	3301-100232P 434.99
10x 4	290-103070 289.06	300-103070 300.71	3301-624232P 314.49
10x 6	290-103071 294.86	300-103071 313.52	3301-626232P 349.69
10x 8	290-103072 325.18	300-103072 336.85	3301-628232P 380.11
12	290-103080 456.89	300-103080 498.87	3301-120232P 603.18
12x 4	290-103076 336.85	300-103076 378.78	3301-664232P 422.02
12x 6	290-103077 346.16	300-103077 391.60	3301-666232P 452.80
12x 8	290-103078 400.95	300-103078 403.29	3301-668232P 482.73
12x10	290-103079 412.62	300-103079 445.23	3301-670232P 542.97
15	290-103088 729.65	300-103088 902.17	3301-150232P 1081.63
15x 4	290-103083 540.83	300-103083 571.10	3301-724232P 751.79
15x 6	290-103084 547.56	300-103084 662.05	3301-726232P 799.56
15x 8	290-103085 576.94	300-103085 673.71	3301-728232P 829.88
15x10	290-103086 621.22	300-103086 691.21	3301-730232P 871.85
15x12	290-103087 662.05	300-103087 751.79	3301-732232P 927.46
18	290-103097 1163.24	300-103097 1352.07	3301-180232P 1742.56
18x 4	290-103091 701.67	300-103091 782.10	3301-784232P 961.59
18x 6	290-103092 751.79	300-103092 841.53	3301-786232P 1052.52
18x 8	290-103093 768.12	300-103093 949.97	3301-788232P 1142.28
18x10	290-103094 854.38	300-103094 991.91	3301-790232P 1232.03
18x12	290-103095 926.63	300-103095 1052.52	3301-792232P 1292.67
18x15	290-103096 968.59	300-103096 1111.96	3301-795232P 1382.38
21	2901-210232 1831.15	3001-210232 2253.15	3301-210232P 2751.97
21x 4	290-103110 1088.68	300-103110 1322.97	3301-844232P 1592.21
21x 6	290-103111 1100.32	300-103111 1352.07	3301-846232P 1622.50
21x 8	290-103112 1158.59	300-103112 1424.36	3301-848232P 1700.59







# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Tee (Gasket x Spigot x Gasket) (continued)


	21x10	290-103113 1194.72	300-103113 1442.99	3301-850232P 1755.35
	21x12	290-103114 1311.32	300-103114 1532.76	3301-852232P 1923.24
	21x15	290-103115 1419.71	300-103115 1592.21	3301-855232P 2073.57
	21x18	290-103116 1606.19	300-103116 1923.24	3301-858232P 2344.03
	24	2901-240232 4106.82	3001-240232 4350.38	3301-240232P 5931.06
	24x 6	2901-906232 2920.44	3001-906232 3309.15	3301-906232P 4136.48
	24x 8	2901-908232 3073.54	3001-908232 3431.50	3301-908232P 4350.24
	24x10	2901-910232 3230.73	3001-910232 3493.43	3301-910232P 4635.49
	24x12	2901-912232 3405.06	3001-912232 3584.90	3301-912232P 4841.15
	24x15	2901-915232 3583.52	3001-915232 3738.26	3301-915232P 5086.01
	24x18	2901-918232 3769.05	3001-918232 3921.24	3301-918232P 5330.95
	24x21	2901-921232 3968.76	3001-921232 4167.28	3301-921232P 5637.49
	27	2901-270232 6177.95	3001-270232 6892.78	3301-270232P 8731.54
	27x 6	2901-936232 3650.16	3001-936232 4136.36	3301-936232P 5208.48
	27x 8	2901-938232 3841.47	3001-938232 4350.32	3301-938232P 5453.27
	27x10	2901-940232 4038.95	3001-940232 4595.22	3301-940232P 5698.17
	27x12	2901-942232 4257.59	3001-942232 4841.19	3301-942232P 5973.87
	27x15	2901-945232 4480.97	3001-945232 5086.01	3301-945232P 6189.00
	27x18	2901-948232 4712.84	3001-948232 5361.72	3301-948232P 6678.74
	27x21	2901-951232 4961.28	3001-951232 5637.61	3301-951232P 7046.03
27x24	2901-954232 5222.72	3001-954232 5882.48	3301-954232P 7444.30	

### Tee (Gasketed)

	6	290-103174 174.82	300-103174 180.64	3301-0602P 192.74
	6x 4	290-103173 151.50	300-103173 169.00	3301-5322P 182.11
	8	290-103179 221.47	300-103179 241.30	3301-0802P 289.83
	8x 4	290-103177 186.50	300-103177 205.11	3301-5822P 217.55
	8x 6	290-103178 209.81	300-103178 216.80	3301-5852P 253.67
	10	290-103185 331.03	300-103185 367.17	3301-1002P 434.99
	10x 4	290-103182 289.06	300-103182 300.71	3301-6242P 314.49
	10x 6	290-103183 294.86	300-103183 313.52	3301-6262P 349.69
	10x 8	290-103184 325.18	300-103184 336.85	3301-6282P 380.11

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Tee (Gasketed) (continued)

	12	290-103192 456.89	300-103192 498.87	3301-1202P 603.18
	12x 4	290-103188 336.85	300-103188 378.78	3301-6642P 422.02
	12x 6	290-103189 346.16	300-103189 391.60	3301-6662P 452.79
	12x 8	290-103190 400.95	300-103190 403.29	3301-6682P 482.73
	12x10	290-103191 412.62	300-103191 445.23	3301-6702P 542.97
	15	290-103200 729.65	300-103200 902.17	3301-1502P 1081.63
	15x 4	290-103195 540.83	300-103195 571.10	3301-7242P 751.79
	15x 6	290-103196 547.56	300-103196 662.05	3301-7262P 799.56
	15x 8	290-103197 576.94	300-103197 673.71	3301-7282P 829.88
	15x10	290-103198 621.22	300-103198 691.21	3301-7302P 871.85
	15x12	290-103199 662.05	300-103199 751.79	3301-7322P 931.31
	18	290-103209 1163.24	300-103209 1352.07	3301-1802P 1742.56
	18x 4	290-103203 701.67	300-103203 782.10	3301-7842P 961.59
	18x 6	290-103204 751.79	300-103204 841.53	3301-7862P 1052.52
	18x 8	290-103205 768.12	300-103205 949.97	3301-7882P 1142.28
	18x10	290-103206 854.38	300-103206 991.91	3301-7902P 1232.03
	18x12	290-103207 926.63	300-103207 1052.52	3301-7922P 1292.67
	18x15	290-103208 968.59	300-103208 1111.96	3301-7952P 1382.38
	21	290-103230 1831.15	300-103230 2253.15	3301-2102P 2751.97
	21x 4	290-103222 1088.68	300-103222 1322.97	3301-8442P 1592.21
	21x 6	290-103223 1100.32	300-103223 1352.07	3301-8462P 1622.50
	21x 8	290-103224 1158.59	300-103224 1424.36	3301-8482P 1700.59
	21x10	290-103225 1194.72	300-103225 1442.99	3301-8502P 1755.35
	21x12	290-103226 1311.32	300-103226 1532.76	3301-8522P 1923.24
	21x15	290-103227 1419.71	300-103227 1592.21	3301-8552P 2073.57
	21x18	290-103228 1606.19	300-103228 1923.24	3301-8582P 2344.03
	24	2901-2402 4106.82	3001-2402 4350.38	3301-2402P 5931.06
	24x 6	2901-9062 2920.44	3001-9062 3309.15	3301-9062P 4136.48
	24x 8	2901-9082 3073.54	3001-9082 3431.50	3301-9082P 4350.24
	24x10	2901-9102 3230.73	3001-9102 3493.43	3301-9102P 4635.49
	24x12	2901-9122 3405.06	3001-9122 3584.90	3301-9122P 4841.15

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Tee (Gasketed) (continued)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	24x15 2901-9152 3583.52	3001-9152 3738.26	3301-9152P 5086.01
	24x18 2901-9182 3769.05	3001-9182 3921.24	3301-9182P 5330.95
	24x21 2901-9212 3968.76	3001-9212 4167.28	3301-9212P 5637.49
	27 2901-2702 6177.95	3001-2702 6892.78	3301-2702P 8731.54
	27x 6 2901-9362 3650.16	3001-9362 4136.36	3301-9362P 5208.48
	27x 8 2901-9382 3841.47	3001-9382 4350.32	3301-9382P 5453.27
	27x10 2901-9402 4038.95	3001-9402 4595.22	3301-9402P 5698.17
	27x12 2901-9422 4257.59	3001-9422 4841.19	3301-9422P 5973.87
	27x15 2901-9452 4480.97	3001-9452 5086.01	3301-9452P 6189.00
	27x18 2901-9482 4712.84	3001-9482 5361.72	3301-9482P 6678.74
	27x21 2901-9512 4961.28	3001-9512 5637.61	3301-9512P 7046.03
	27x24 2901-9542 5222.72	3001-9542 5882.48	3301-9542P 7444.30

## Reinforced Tee (Soc x Soc x Fipt)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	6x 2 ---	300-202152 71.51	3302-528P 108.81
	6x 3 ---	300-202154 78.05	3302-530P 124.68
	6x 4 ---	300-202155 87.40	3302-532P 128.20
	8x 2 ---	300-202157 108.39	3302-578P 176.11
	8x 3 ---	300-202159 114.19	3302-580P 188.05
	8x 4 ---	300-202160 123.54	3302-582P 159.46
	10x 2 ---	300-202162 148.04	3302-621P 198.81
	10x 3 ---	300-202164 181.80	3302-623P 246.26
	10x 4 ---	300-202165 194.65	3302-624P 242.32
	12x 2 ---	300-202167 226.11	3302-661P 244.70
	12x 3 ---	300-202169 250.56	3302-663P 268.99
	12x 4 ---	300-202170 286.71	3302-664P 314.82
	15x 2 ---	300-202172 372.67	3302-721P 431.23
	15x 3 ---	300-202174 396.43	3302-723P 454.57
	15x 4 ---	300-202175 425.13	3302-724P 466.26

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

## Reinforced Tee (Soc x Spig x Fipt)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	6x 2 ---	300-202222 59.45	---
	6x 3 ---	300-202224 69.93	---
	6x 4 ---	300-202225 81.56	---
	8x 2 ---	300-202227 95.56	---
	8x 3 ---	300-202229 104.89	---
	8x 4 ---	300-202230 114.19	---
	10x 2 ---	300-202232 142.13	---
	10x 3 ---	300-202234 173.68	---
	10x 4 ---	300-202235 184.15	---
	12x 2 ---	300-202237 212.11	---
	12x 3 ---	300-202239 242.41	---
	12x 4 ---	300-202240 276.24	---
	15x 2 ---	300-202242 370.63	3302-72113P 419.61
	15x 3 ---	300-202244 392.79	3302-72313P 448.76
	15x 4 ---	300-202245 418.41	3302-72413P 460.38

## Reinforced Tee (Gasket x Spig x Fipt)


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	6x 2 ---	300-202362 102.54	---
	6x 3 ---	300-202364 132.86	---
	6x 4 ---	300-202365 138.71	---
	8x 2 ---	300-202367 144.52	---
	8x 3 ---	300-202369 169.00	---
	8x 4 ---	300-202370 186.50	---
	10x 2 ---	300-202372 216.80	---
	10x 3 ---	300-202374 228.43	---
	10x 4 ---	300-202375 237.74	---
	12x 2 ---	300-202377 300.71	---
	12x 3 ---	300-202379 325.18	---
	12x 4 ---	300-202380 336.85	---
	15x 2 ---	300-202382 420.77	3302-72123P 512.57
	15x 3 ---	300-202384 445.23	3302-72323P 549.33
	15x 4 ---	300-202385 481.37	3302-72423P 598.96




# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Reinforced Tee (Gasket x Fipt)

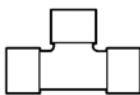
	6x 2	---	300-202432 108.39	---
	6x 3	---	300-202434 132.86	---
	6x 4	---	300-202435 144.52	---
	8x 2	---	300-202437 163.16	---
	8x 3	---	300-202439 178.33	---
	8x 4	---	300-202440 192.30	---
	10x 2	---	300-202442 235.41	---
	10x 3	---	300-202444 258.73	---
	10x 4	---	300-202445 277.37	---
	12x 2	---	300-202447 331.03	---
	12x 3	---	300-202449 348.48	---
	12x 4	---	300-202450 373.00	---
	15x 2	---	300-202452 481.37	3302-7212P 588.15
	15x 3	---	300-202454 498.87	3302-7232P 639.05
	15x 4	---	300-202455 523.36	3302-7242P 672.05

### PIP X IPS Tee (Socket)

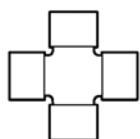
	6	2901-060PXI 79.97	3001-060PXI 101.79	3301-060PXI 102.34
	8	2901-080PXI 146.71	3001-080PXI 204.52	3301-080PXI 205.17
	8x 6	2901-585PXI 102.95	3001-585PXI 123.54	3301-585PXI 159.79
	10	2901-100PXI 199.38	3001-100PXI 241.30	3301-100PXI 306.26
	10x 6	2901-626PXI 141.31	300-102821 157.34	3301-626PXI 218.76
	10x 8	2901-628PXI 163.26	3001-628PXI 322.99	3301-628PXI 271.30
	12	2901-120PXI 300.71	3001-120PXI 384.60	3301-120PXI 452.63
	12x 6	2901-666PXI 238.96	300-102599 245.90	3301-666PXI 318.47
	12x 8	2901-668PXI 222.40	300-102607 290.21	3301-668PXI 377.01
	12x10	2901-670PXI 272.73	3001-670PXI 334.50	3301-670PXI 418.29
	15x 6	2901-726PXI 290.31	300-102708 370.63	3301-726PXI 450.31
	15x 8	2901-728PXI 335.24	300-102709 467.53	3301-728PXI 518.26
	15x10	2901-730PXI 380.17	3001-730PXI 490.72	3301-730PXI 586.16
	15x12	2901-732PXI 434.93	300-102817 551.34	3301-732PXI 676.60
	18x 6	2901-786PXI 502.88	3001-786PXI 581.61	3301-786PXI 696.83

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### PIP X IPS Tee (Socket) (continued)

	18x 8	2901-788PXI 523.72	3001-788PXI 606.09	3301-788PXI 777.90
	18x10	2901-790PXI 588.61	3001-790PXI 651.56	3301-790PXI 850.21
	18x12	2901-792PXI 651.56	3001-792PXI 773.96	3301-792PXI 955.39
	21x 6	2901-846PXI 741.31	3001-846PXI 1024.18	3301-846PXI 1080.33
	21x 8	2901-848PXI 743.93	3001-848PXI 1054.84	3301-848PXI 1125.23
	21x10	2901-850PXI 843.86	3001-850PXI 1094.47	3301-850PXI 1177.84
	21x12	2901-852PXI 868.86	3001-852PXI 1104.98	3301-852PXI 1464.90
	24x 6	2901-906PXI 1032.73	3001-906PXI 1253.02	3301-906PXI 1255.63
	24x 8	2901-908PXI 1100.32	3001-908PXI 1335.78	3301-908PXI 1360.84
	24x10	2901-910PXI 1132.94	3001-910PXI 1447.70	3301-910PXI 1464.90
	24x12	2901-912PXI 1151.55	3001-912PXI 1558.40	3301-912PXI 1570.07

### Cross (Socket)

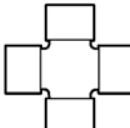
	6	290-103286 96.73	300-103286 134.04	3320-060P 166.80
	6x 2	290-103283 73.41	300-103283 85.07	3320-528P 103.82
	6x 3	290-103284 80.43	300-103284 95.56	3320-530P 112.12
	6x 4	290-103285 87.40	300-103285 102.54	3320-532P 117.81
	8	290-103291 164.32	300-103291 195.81	3320-080P 241.43
	8x 2	290-103287 90.88	300-103287 109.52	3320-578P 125.93
	8x 3	290-103288 99.03	300-103288 120.03	3320-580P 141.15
	8x 4	290-103289 106.05	300-103289 128.20	3320-582P 159.71
	8x 6	290-103290 123.54	300-103290 148.04	3320-585P 183.07
	10	290-103297 278.55	300-103297 336.85	3320-100P 391.39
	10x 2	290-103292 139.82	300-103292 145.69	3320-621P 163.29
	10x 3	290-103293 150.33	300-103293 170.11	3320-623P 184.80
	10x 4	290-103294 167.86	300-103294 181.80	3320-624P 224.59
	10x 6	290-103295 189.97	300-103295 203.95	3320-626P 251.67
	10x 8	290-103296 222.59	300-103296 248.23	3320-628P 307.57
	12	290-103304 432.40	300-103304 509.36	3320-120P 628.94
	12x 2	290-103298 209.81	300-103298 214.46	3320-661P 271.68
	12x 3	290-103299 231.93	300-103299 234.29	3320-663P 295.91
	12x 4	290-103300 236.60	300-103300 256.43	3320-664P 316.99

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



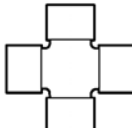
Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Cross (Socket) (continued)

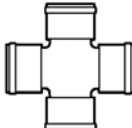
	12x 6	290-103301 254.07	300-103301 282.07	3320-666P 349.51
	12x 8	290-103302 296.03	300-103302 328.69	3320-668P 359.94
	12x10	290-103303 348.48	300-103303 396.29	3320-670P 489.06
	15	290-103321 723.82	300-103321 877.67	3320-150P 1118.98
	15x 2	290-103313 296.03	300-103313 334.50	3320-721P 390.46
	15x 3	290-103314 300.71	300-103314 354.35	3320-723P 426.60
	15x 4	290-103315 314.70	300-103315 362.51	3320-724P 442.89
	15x 6	290-103316 346.16	300-103316 400.95	3320-726P 459.23
	15x 8	290-103317 409.16	300-103317 459.23	3320-728P 627.09
	15x10	290-103318 473.21	300-103318 571.10	3320-730P 759.95
	15x12	290-103319 557.15	300-103319 667.88	3320-732P 868.31
	18	290-103342 1253.02	300-103342 1419.71	3320-180P 1809.00
	18x 2	290-103332 442.89	300-103332 518.67	3320-781P 676.00
	18x 3	290-103333 454.57	300-103333 543.16	3320-783P 713.34
	18x 4	290-103334 470.90	300-103334 554.80	3320-784P 757.59
	18x 6	290-103335 504.67	300-103335 599.10	3320-786P 835.70
	18x 8	290-103336 559.46	300-103336 655.06	3320-788P 946.44
	18x10	290-103337 617.74	300-103337 709.81	3320-790P 1086.33
	18x12	290-103338 721.49	300-103338 877.67	3320-792P 1230.87
	18x15	290-103340 874.19	300-103340 1141.14	3320-795P 1461.67
	21	290-103367 1849.83	300-103367 2338.17	3320-210P 2783.47
	21x 2	290-103355 676.00	300-103355 862.52	3320-841P 885.84
	21x 3	290-103356 705.17	300-103356 909.14	3320-843P 1002.41
	21x 4	290-103357 745.96	300-103357 946.44	3320-844P 1118.98
21x 6	290-103358 793.72	300-103358 1002.41	3320-846P 1208.68	
21x 8	290-103359 857.86	300-103359 1086.33	3320-848P 1335.78	
21x10	290-103360 927.78	300-103360 1197.05	3320-850P 1475.65	
21x12	290-103361 1038.54	300-103361 1335.78	3320-852P 1642.34	
21x15	290-103363 1191.23	300-103363 1558.40	3320-855P 1892.93	
21x18	290-103365 1427.84	300-103365 1864.96	3320-858P 2310.22	
24	290-103381 2644.73	300-103381 3116.81	3320-240P 4285.96	

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Cross (Socket) (continued)

	24x 2	290-103368 932.46	300-103368 1118.98	3320-901P 1165.59
	24x 3	290-103369 979.06	300-103369 1165.59	3320-903P 1218.05
	24x 4	290-103370 1038.54	300-103370 1225.05	3320-904P 1280.97
	24x 6	290-103371 1127.11	300-103371 1305.45	3320-906P 1363.76
	24x 8	290-103372 1197.05	300-103372 1419.71	3320-908P 1503.61
	24x10	290-103373 1280.97	300-103373 1531.60	3320-910P 1670.29
	24x12	290-103374 1391.68	300-103374 1698.29	3320-912P 1837.01
	24x15	290-103376 1670.29	300-103376 1920.90	3320-915P 2087.60
	24x18	290-103378 1892.93	300-103378 2226.30	3320-918P 2504.89
	24x21	290-103380 2254.27	300-103380 2644.73	3320-921P 3034.05
	27	2920-270 4004.27	3020-270 4718.72	3320-270P 6133.22
	27x 4	2920-934 1184.29	3020-934 1483.40	3320-934P 1927.91
	27x 6	2920-936 1366.87	3020-936 1583.36	3320-936P 2059.77
	27x 8	2920-938 1451.22	3020-938 1721.11	3320-938P 2238.15
	27x10	2920-940 1551.16	3020-940 1855.56	3320-940P 2412.86
	27x12	2920-942 1685.45	3020-942 2057.49	3320-942P 2674.35
	27x15	2920-945 2022.89	3020-945 2327.28	3320-945P 3025.16
	27x18	2920-948 2291.73	3020-948 2697.05	3320-948P 3492.05
	27x21	2920-951 2731.43	3020-951 3203.37	3320-951P 4166.17
	27x24	2920-954 3203.33	3020-954 3775.05	3320-954P 4906.38

### Cross (Gasketed)

	6	290-104001 233.05	300-104001 240.06	3320-0602P 288.07
	6x 4	290-104000 215.95	300-104000 221.47	3320-5322P 247.78
	8	290-104006 326.35	300-104006 346.16	3320-0802P 416.34
	8x 4	290-104004 259.78	300-104004 268.04	3320-5822P 335.24
	8x 6	290-104005 295.68	300-104005 303.04	3320-5852P 360.66
	10	290-104012 484.86	300-104012 487.20	3320-1002P 574.03
	10x 4	290-104009 345.86	300-104009 349.67	3320-6242P 412.26
	10x 6	290-104010 378.78	300-104010 390.46	3320-6262P 435.39
	10x 8	290-104011 406.22	300-104011 437.10	3320-6282P 489.26
	12	290-104019 695.88	300-104019 723.82	3320-1202P 870.60

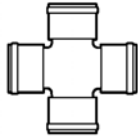


# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Cross (Gasketed) (continued)

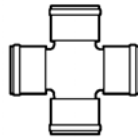
12x 4	290-104015 419.61	300-104015 448.76	3320-6642P 570.64
12x 6	290-104016 454.57	300-104016 489.51	3320-6662P 607.72
12x 8	290-104017 512.86	300-104017 559.46	3320-6682P 623.77
12x10	290-104018 594.43	300-104018 629.45	3320-6702P 738.48
15	290-104036 1086.33	300-104036 1253.02	3320-1502P 1573.54
15x 4	290-104030 629.45	300-104030 792.60	3320-7242P 842.13
15x 6	290-104031 676.00	300-104031 845.04	3320-7262P 877.02
15x 8	290-104032 757.59	300-104032 903.32	3320-7282P 932.46
15x10	290-104033 874.19	300-104033 990.76	3320-7302P 1049.05
15x12	290-104034 929.02	300-104034 1107.32	3320-7322P 1253.02
18	290-104057 1670.29	300-104057 1892.93	3320-1802P 2389.50
18x 4	290-104049 932.46	300-104049 1049.05	3320-7842P 1072.32
18x 6	290-104050 1014.05	300-104050 1165.59	3320-7862P 1218.33
18x 8	290-104051 1142.28	300-104051 1282.15	3320-7882P 1300.54
18x10	290-104052 1223.87	300-104052 1398.74	3320-7902P 1448.55
18x12	290-104053 1340.46	300-104053 1515.26	3320-7922P 1585.26
18x15	2920-7952 1533.51	3020-7952 1723.94	3320-7952P 2036.37
21	290-104082 2764.84	300-104082 3681.66	3320-2102P 3895.95
21x 4	290-104072 1491.97	300-104072 2524.29	3320-8442P 2989.80
21x 6	290-104073 1596.84	300-104073 2622.35	3320-8462P 3052.09
21x 8	290-104074 1748.38	300-104074 2735.76	3320-8482P 3189.13
21x10	290-104075 1923.24	300-104075 2893.40	3320-8502P 3263.85
21x12	290-104076 2156.38	300-104076 3051.60	3320-8522P 3413.35
21x15	290-104078 2389.50	300-104078 3191.38	3320-8552P 3434.35
21x18	290-104080 2564.33	300-104080 3524.01	3320-8582P 3614.05
24	2920-2402 5240.84	3020-2402 6265.36	3320-2402P 7811.28
24x 4	2920-9042 2733.85	3020-9042 3039.53	3320-9042P 3798.82
24x 6	2920-9062 2745.39	3020-9062 3068.87	3320-9062P 3813.53
24x 8	2920-9082 2964.55	3020-9082 3295.20	3320-9082P 4118.06
24x10	2920-9102 3208.65	3020-9102 3564.38	3320-9102P 4454.43
24x12	2920-9122 3452.88	3020-9122 3835.47	3320-9122P 4793.04



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

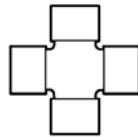
### Cross (Gasketed) (continued)

24x15	2920-9152 4000.81	3020-9152 4444.88	3320-9152P 5556.29
24x18	2920-9182 4419.96	3020-9182 4910.15	3320-9182P 6138.67
24x21	2920-9212 5083.18	3020-9212 5648.41	3320-9212P 7059.55
27	2920-2702 7290.19	3020-2702 10477.82	3320-2702P 13063.63
27x 4	2920-9342 3213.18	3020-9342 3800.85	3320-9342P 4748.65
27x 6	2920-9362 3449.04	3020-9362 3815.71	3320-9362P 4818.23
27x 8	2920-9382 3697.04	3020-9382 4119.97	3320-9382P 5150.30
27x10	2920-9402 4010.43	3020-9402 4454.53	3320-9402P 5569.62
27x12	2920-9422 4316.11	3020-9422 4796.73	3320-9422P 5994.62
27x15	2920-9452 5000.52	3020-9452 5556.13	3320-9452P 6946.14
27x18	2920-9482 5525.36	3020-9482 6138.67	3320-9482P 7672.06
27x21	2920-9512 6353.97	3020-9512 7059.55	3320-9512P 8826.35
27x24	2920-9542 6878.90	3020-9542 7811.43	3320-9542P 9764.55



### PIP X IPS Cross (Socket)

6	2920-060PXI 96.73	3020-060PXI 134.04	3320-060PXI 166.80
8	2920-080PXI 164.32	3020-080PXI 195.81	3320-080PXI 241.43
8x 6	2920-585PXI 116.13	3020-585PXI 148.04	3320-585PXI 183.07
10	2920-100PXI 278.55	3020-100PXI 336.85	3320-100PXI 391.39
10x 6	2920-626PXI 178.57	300-103700 203.95	3320-626PXI 236.57
10x 8	2920-628PXI 209.23	3020-628PXI 277.24	3320-628PXI 289.12
12	2920-120PXI 432.40	3020-120PXI 509.36	3320-120PXI 628.94
12x 6	2920-666PXI 254.07	3020-666PXI 282.07	3320-666PXI 328.54
12x 8	2920-668PXI 296.03	3020-668PXI 328.69	3320-668PXI 692.96
12x10	2920-670PXI 327.57	3020-670PXI 396.29	3320-670PXI 459.72
15x 6	2920-726PXI 325.39	3020-726PXI 400.95	3320-726PXI 431.68
15x 8	2920-728PXI 384.61	3020-728PXI 459.23	3320-728PXI 589.46
15x10	2920-730PXI 444.82	3020-730PXI 571.10	3320-730PXI 714.35
15x12	2920-732PXI 523.72	3020-732PXI 667.88	3320-732PXI 816.21
18x 6	2920-786PXI 504.67	3020-786PXI 599.10	3320-786PXI 835.70
18x 8	2920-788PXI 525.89	3020-788PXI 655.06	3320-788PXI 889.65
18x10	2920-790PXI 617.74	3020-790PXI 709.81	3320-790PXI 1021.15



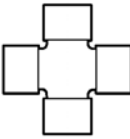


# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

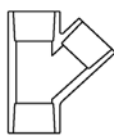


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### PIP X IPS Cross (Socket) (continued)


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each
	18x12 2920-792PXI 721.49	3020-792PXI 877.67	3320-792PXI 1157.02
	21x 6 2920-846PXI 831.45	3020-846PXI 1002.41	3320-846PXI 1136.16
	21x 8 2920-848PXI 857.86	3020-848PXI 1086.33	3320-848PXI 1255.63
	21x10 2920-850PXI 927.78	3020-850PXI 1197.05	3320-850PXI 1387.11
	21x12 2920-852PXI 976.23	3020-852PXI 1335.78	3320-852PXI 1543.80
	24x 6 2920-906PXI 1127.11	3020-906PXI 1305.45	3320-906PXI 1281.93
	24x 8 2920-908PXI 1197.05	3020-908PXI 1419.71	3320-908PXI 1413.39
	24x10 2920-910PXI 1280.97	3020-910PXI 1531.60	3320-910PXI 1570.07
	24x12 2920-912PXI 1391.68	3020-912PXI 1698.29	3320-912PXI 1726.79

### Wyes (Socket 80 PSI Material Non Pressure Rated)


Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each
	6 2975-060 184.03	---	---
	6x 4 2975-532 103.52	---	---
	8 2975-080 195.36	---	---
	8x 4 2975-582 169.56	---	---
	8x 6 2975-585 276.30	---	---
	10 2975-100 307.63	---	---
	10x 4 2975-624 188.44	---	---
	10x 6 2975-626 198.20	---	---
	10x 8 2975-628 253.44	---	---
	12 2975-120 440.37	---	---
	12x 4 2975-664 223.53	---	---
	12x 6 2975-666 244.45	---	---
	12x 8 2975-668 276.22	---	---
	12x10 2975-670 294.78	---	---
	15 2975-150 882.22	---	---
	15x 4 2975-724 354.55	---	---
	15x 6 2975-726 379.45	---	---
	15x 8 2975-728 459.03	---	---
	15x10 2975-730 493.07	---	---
	15x12 2975-732 681.62	---	---
18 2975-187 1288.59	---	---	

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each


### Wyes (Socket 80 PSI Material Non Pressure Rated) (continued)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each
	18x 4 2975-784 556.68	---	---
	18x 6 2975-786 590.21	---	---
	18x 8 2975-788 651.72	---	---
	18x10 2975-790 679.77	---	---
	18x12 2975-792 891.70	---	---
	18x15 2975-795 1117.79	---	---

### Cap (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each
	6 ---	300-107540 46.60	---
	8 ---	300-107541 59.45	---
	10 ---	300-107542 95.56	---
	12 ---	300-107543 125.86	---
	15 ---	300-107545 205.11	---
	18 ---	300-107547 400.72	---
	21 ---	300-107549 613.07	---
	24 ---	300-107550 838.34	---
	27 ---	3047-270 1052.01	---

### Surface Reducer (Socket)

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each
	6x 2 ---	300-102013 46.60	---
	6x 3 ---	300-102015 46.60	---
	8x 2 ---	300-102018 87.40	---
	8x 3 ---	300-102020 87.40	---
	8x 4 ---	300-102021 87.40	---
	10x 2 ---	300-102024 110.76	---
	10x 3 ---	300-102026 110.76	---
	10x 4 ---	300-102027 110.76	---
	10x 6 ---	300-102028 110.76	---
	12x 2 ---	300-102031 163.16	---
	12x 3 ---	300-102033 163.16	---
	12x 4 ---	300-102034 163.16	---
	12x 6 ---	300-102035 163.16	---
	12x 8 ---	300-102036 163.16	---



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Surface Reducer (Socket) (continued)

	15x 2	---	300-102048 297.11	---
	15x 3	---	300-102050 297.11	---
	15x 4	---	300-102051 297.11	---
	15x 6	---	300-102052 297.11	---
	15x 8	---	300-102053 297.11	---
	15x10	---	300-102054 297.11	---
	18x 2	---	300-102067 448.76	---
	18x 3	---	300-102069 448.76	---
	18x 4	---	300-102070 448.76	---
	18x 6	---	300-102071 448.76	---
	18x 8	---	300-102072 448.76	---
	18x10	---	300-102073 448.76	---
	18x12	---	300-102074 448.76	---
	21x 2	---	300-102088 740.17	---
	21x 3	---	300-102089 740.17	---
	21x 4	---	300-102090 740.17	---
	21x 6	---	300-102091 740.17	---
	21x 8	---	300-102092 740.17	---
	21x10	---	300-102093 740.17	---
	21x12	---	300-102094 740.17	---
21x15	---	300-102095 740.17	---	

### Saddle (Socket)

	6x 2	---	300-101789 58.26	---
	6x 3	---	300-101797 69.93	---
	6x 4	---	300-101804 81.56	---
	8x 2	---	300-101790 58.26	---
	8x 3	---	300-101798 69.93	---
	8x 4	---	300-101805 81.56	---
	8x 6	---	300-101811 93.23	---
	10x 2	---	300-101791 58.26	---
	10x 3	---	300-101799 69.93	---

Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Saddle (Socket) (continued)

	10x 4	---	300-101806 81.56	---
	10x 6	---	300-101812 93.23	---
	10x 8	---	300-101817 104.89	---
	12x 2	---	300-101792 58.26	---
	12x 3	---	300-101800 69.93	---
	12x 4	---	300-101807 81.56	---
	12x 6	---	300-101813 93.23	---
	12x 8	---	300-101818 104.89	---
	12x10	---	300-101822 116.52	---
	15x 2	---	300-101793 58.26	---
	15x 3	---	300-101801 84.18	---
	15x 4	---	300-101808 81.56	---
	15x 6	---	300-101814 93.23	---
	15x 8	---	300-101819 104.89	---
	15x10	---	300-101823 116.52	---
	15x12	---	300-101826 162.09	---
	18x 2	---	300-101794 58.26	---
	18x 3	---	300-101802 125.03	---
	18x 4	---	300-101809 159.43	---
	18x 6	---	300-101815 192.51	---
18x 8	---	300-101820 205.67	---	
18x10	---	300-101824 236.76	---	
18x12	---	300-101827 249.63	---	
18x15	---	300-101829 381.91	---	

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Stub Saddle (Socket)

6x 2	---	300-101884 81.56	---
6x 3	---	300-101892 89.76	---
6x 4	---	300-101899 103.70	---
8x 2	---	300-101885 81.56	---
8x 3	---	300-101893 89.76	---
8x 4	---	300-101900 103.70	---
8x 6	---	300-101906 128.20	---
10x 2	---	300-101886 81.56	---
10x 3	---	300-101894 89.76	---
10x 4	---	300-101901 103.70	---
10x 6	---	300-101907 128.20	---
10x 8	---	300-101912 167.86	---
12x 2	---	300-101887 81.56	---
12x 3	---	300-101895 89.76	---
12x 4	---	300-101902 103.70	---
12x 6	---	300-101908 128.20	---
12x 8	---	300-101913 167.86	---
12x10	---	300-101917 181.80	---
15x 2	---	300-101888 117.71	---
15x 3	---	300-101896 130.50	---
15x 4	---	300-101903 136.37	---
15x 6	---	300-101909 141.01	---
15x 8	---	300-101914 167.86	---
15x10	---	300-101918 193.46	---
15x12	---	300-101921 255.24	---
18x 2	---	300-101889 192.30	---
18x 3	---	300-101897 196.97	---
18x 4	---	300-101904 237.74	---
18x 6	---	300-101910 303.04	---
18x 8	---	300-101915 324.03	---
18x10	---	300-101919 373.00	---



Size	80 PSI Disc Code: 310	100 PSI Disc Code: 320	125 PSI Disc Code: 330
	Part Number Price Each	Part Number Price Each	Part Number Price Each

### Stub Saddle (Socket) (continued)

	18x12	---	300-101922 430.13	---
	18x15	---	300-101924 601.43	---

NOTE: When assembling Spears® Saddles to PVC pipe, Spears® Manufacturing Company recommends Industrial Polychemical Service (IPS) #719 Solvent Cement and #P-68 Primer, or equivalent. Although good connections may be accomplished without Saddle Straps, Spears® Manufacturing Company recommends the use of clamp or strap device during the assembly step to insure good compression between the pipe and fitting surfaces as the solvent cures. PVC Fabricated Saddle connections are designed for use in low pressure open ended systems and are not intended for use in high pressure applications. For further details, contact Spears® Technical Services Department.

### Flange x PIP (Socket)

	6x6.140	---	---	354-060F 126.99
	8x8.160	---	---	354-080F 192.30
	10x10.200	---	---	354-100F 270.38
	12x12.240	---	---	354-120F 391.60
	14x15.300	---	---	354-150F 1043.82
	16x15.300	---	---	354-151F 1190.79
	18x18.360	---	354-182F 1809.00	---
	18x18.701	---	354-181F 1809.00	---
	20x22.047	---	354-201F 2755.48	---
	24x24.803	---	354-241F 4035.33	---

PIP =Plastic Irrigation Pipe (PIP dimensions are NOT the same as IPS dimensions.)  
 Sizes 6" through 16" are furnished with Plastic Ring.  
 Sizes 18" Through 24" are furnished with Steel Ring.



## PVC 80, 100 & 125 PSI PIP Fabricated Fittings

### RECOMMENDATIONS FOR INSTALLERS & USERS

Plastic piping systems should be ENGINEERED, INSTALLED, and OPERATED in accordance with ESTABLISHED DESIGN AND ENGINEERING STANDARDS AND PROCEDURES for plastic piping systems. Suitability for the intended service application should be determined by the installer and/or user prior to installation of a plastic piping system. PRIOR TO ASSEMBLY, all piping system components should be inspected for damage or irregularities. Mating components should be checked to assure that tolerances and engagements are compatible. Do not use any components that appear irregular or do not fit properly. Contact the appropriate manufacturer of the component product in question to determine usability. Consult all applicable codes and regulations for compliance prior to installation.

**SOLVENT WELD CONNECTIONS** - Use a quality grade of primer and solvent cement formulated for the type of connection, with the CORRECT SIZE APPLICATOR. Read and follow all of the solvent cement MANUFACTURER'S APPLICATION AND CURE TIME INSTRUCTIONS THOROUGHLY.

**BEFORE APPLYING PRIMER AND CEMENT**, appropriate safety precautions should be taken. Primer and Cement should be stored in the shade between 40°F and 110°F. Eliminate all ignition sources. Avoid breathing of vapors. Use only with adequate ventilation; explosion-proof general mechanical ventilation or local exhaust is recommended to maintain vapor concentrations below recommended exposure limits. In confined or partially enclosed areas, a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. Containers should be kept tightly closed when not in use, and covered as much as possible when in use. Avoid frequent contact with skin; wearing PVA coated protective gloves and impervious apron are recommended. Avoid any contact with eyes; splash-proof chemical goggles are recommended.

**THREADED CONNECTIONS** - Use a quality grade thread sealant. WARNING: SOME PIPE JOINT COMPOUNDS OR TEFLON® PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING TO PLASTIC. Spears® Manufacturing Company recommends the use of Spears® BLUE 75™ Thread Sealant which has been tested for compatibility with Spears® products. Please follow the sealant manufacturers' application/ installation instructions. Choice of an appropriate thread sealant other than those listed above is at the discretion of the installer. 1 to 2 turns beyond FINGER TIGHT is generally all that is required to make a sound plastic threaded connection. Unnecessary OVER TIGHTENING will cause DAMAGE TO BOTH PIPE AND FITTING.

### IMPORTANT

**WATER HAMMER** - Spears® Manufacturing Company, Inc., recommends that all PVC and CPVC plastic piping systems be designed and constructed to AVOID EXCESSIVE WATER HAMMER. Water hammer can cause damage, and failure to pipe, valves, and fittings within the piping system.

**PLEASE NOTE** - When temperatures rise above 73°F, the tensile strength of thermoplastics decreases, thereby derating the pipe or fitting Maximum Internal Pressure. When temperatures fall below 73°F, the tensile strength of thermoplastics increases, however, the impact strength decreases. Maximum operating temperatures for PVC piping systems should not exceed 140°F. Maximum operating temperatures for CPVC piping systems should not exceed 200°F.

**CAUTION** - Spears® Manufacturing Company DOES NOT RECOMMEND the use of thermoplastic piping products for systems to transport or store compressed air or gases, or the testing of thermoplastic piping systems with compressed air or gases in above and below ground locations. The use of Spears® products in compressed air or gas systems automatically voids Spears® warranty for such products, and their use against our recommendation is entirely the responsibility and liability of the installer. Spears® Manufacturing Company will not accept responsibility for damage or impairment of its products, or other consequential or incidental damages caused by misapplication, incorrect assembly, and/or exposure to harmful substances or conditions.

### NOT FOR USE WITH COMPRESSED AIR OR GASES

**WARNING: DO NOT USE COMPRESSED AIR OR GAS TO TEST ANY PVC OR CPVC THERMOPLASTIC PIPING PRODUCT OR SYSTEM, AND DO NOT USE DEVICES PROPELLED BY COMPRESSED AIR OR GAS TO CLEAR SYSTEMS. THESE PRACTICES MAY RESULT IN EXPLOSIVE FRAGMENTATION OF SYSTEM PIPING AND COMPONENTS CAUSING SERIOUS OR FATAL BODILY INJURY.**

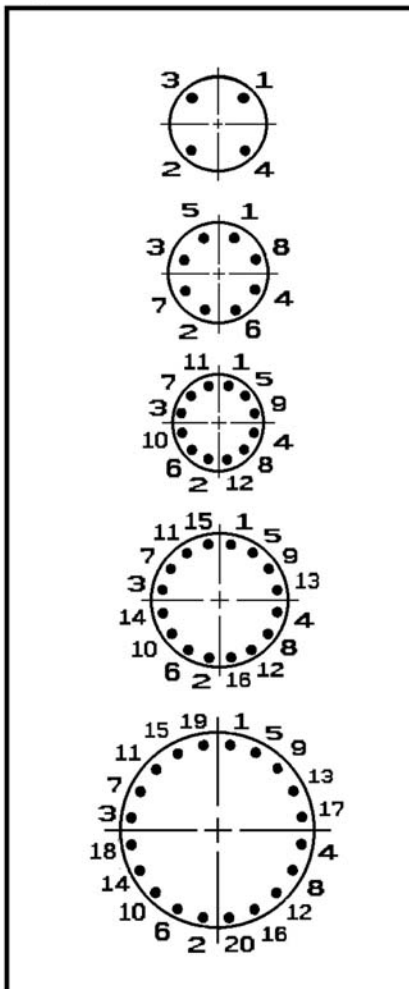
# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



**FLANGE MAKE-UP** — Once a flange is joined to pipe, the method for joining two flanges is as follows:

- Piping runs joined to the flanges must be installed in a straight line position to the flange to avoid stress at the flange due to misalignment. Piping must also be secured and supported to prevent lateral movement which can create stress and damage the flange.
- With gasket in place, align the bolt holes of the mating flanges by rotating the ring into position. (Consideration should be given to alignment of One-Piece Flange prior to joining with pipe.)
- Insert all bolts, washers (two standard flat washers per bolt), and nuts.
- Make sure the faces of the mating surfaces are flush against gasket prior to bolting down the flanges.
- Tighten the nuts by hand until they are snug. Establish uniform pressure over the flange face by tightening the bolts in 5 ft. lbs. increments according to the sequence shown in **Figure 1** following a 180° opposing sequence.
- Care must be taken to avoid “bending” the flange when joining a Spears flange to a “raised face” flange, or a wafer-style valve. Do not use bolts to bring together improperly mated flanges.

**Figure 1**



Flange Size	Recommended Torque (Ft. Lbs.)
1/2 - 1-1/2	12
2 - 4	25
6 - 8	40
10	64
12	95
14 - 24	110

Threads should be clean and well lubricated.

**CAUTION: UNNECESSARY OVERTORQUING WILL DAMAGE THE FLANGE.**

Bolts and gaskets are not furnished with flanges.

Flange Size	Bolt Holes	Bolt Diameter	Bolt Length (Minimum)
1/2	4	1/2	2
3/4	4	1/2	2
1	4	1/2	2-1/4
1-1/4	4	1/2	2-1/4
1-1/2	4	1/2	2-1/2
2	4	5/8	3
2-1/2	4	5/8	3-1/4
3	4	5/8	3-1/4
4	8	5/8	3-1/2
5	8	3/4	3-3/4
6	8	3/4	4
8	8	3/4	4-1/2
10	12	7/8	5
12	12	7/8	5
14	12	1	5
16	16	1	5
18	16	1-1/8	5
20	20	1-1/8	6
24	20	1-1/4	6

These recommendations are based on the use of two standard flat washers, standard nut and a full faced, 1/8" thick neoprene gasket with a Shore "A" Durometer of approximately 70. Actual field conditions may require a variation in these recommendations.



# PVC 80, 100 & 125 PSI PIP Fabricated Fittings

## GASKET INSTALLATION PROCEDURES

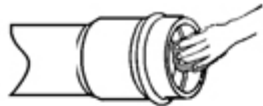


Figure 1



Figure 2

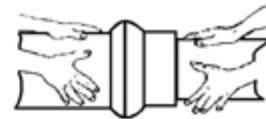


Figure 3

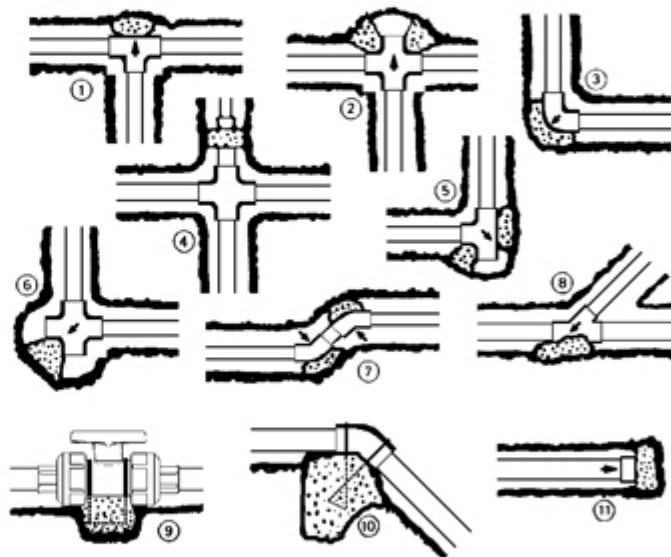
1. Gasket area and pipe or spigot end should be clean and free of dirt and debris. **DO NOT** attempt to remove the formed-in gasket — **Figure 1**.
2. Lubricate the entire sealing surface of the gasket and the pipe or spigot end with a light coating of a suitable lubricant. Make sure the pipe or spigot end has a proper bevel to insure ease of installation — **Figure 2**.
3. Push the pipe or spigot end into the gasket bell while maintaining a straight alignment. The proper insertion depth is equal to the total gasket bell length minus one-half inch (1/2") — **Figure 3**.

**THRUST BLOCKING** — Water under pressure exerts thrust forces in piping systems. Thrust blocking should be provided, as necessary, to prevent movement of pipe or appurtenances in response to thrust.

### Types Of Thrust Blocking:

If thrusts due to high pressure are expected, anchor valves as below. At vertical bends anchor to resist outward thrusts.

1. Thru line connection, tee
2. Thru line connection, cross used as tee
3. Direction change, elbow
4. Change line size, reducer
5. Direction change, tee used as elbow
6. Direction change, cross used as elbow
7. Direction change
8. Thru line connection, wye
9. Valve anchor
10. Direction change vertical, bend anchor
11. End Caps (above or below ground)



### Thrust Blocking Is Required Wherever The Pipeline:

- Changes direction (e.g., tees, bends, elbows and crosses)
- Changes size at its reducers
- Stops, as at dead ends
- Valves and hydrants, at which thrust develops when closed.

### Size And Type Of Thrust Blocking Depends On:

- Maximum system pressure
- Pipe size
- Type and size of fittings or appurtenance
- Line profile (horizontal or vertical bends)
- Soil type

# PVC 80, 100 & 125 PSI PIP Fabricated Fittings



## Pipe Dimension Reference Chart

Pipe Type	LH PIP	80 PIP	100 PIP	125 PIP	CL 63 IPS	CL 100 IPS	SEWER PSM	CL 125 IPS	CL 160 IPS	CL 200 IPS	40 DWV IPS	80 DWV IPS	SCH 40 IPS	SCH 80 IPS	C-900 CI DR 18
O.D. Size	91	51	41	32.5	64	41	35	32.5	26	21	—	—	—	—	—
SDR	91	51	41	32.5	64	41	35	32.5	26	21	—	—	—	—	—
4"	O.D.	4.130	4.130	4.130	4.130	4.500	4.500	4.215	4.500	4.500	4.500	4.500	4.500	4.500	4.800
	I.D.	4.000	3.968	3.928	3.876	4.360	4.280	3.89	4.224	4.154	4.072	3.998	3.786	3.998	4.22
	Wall	.065	.081	.101	.127	.070	.110	0.125	.138	.173	.214	.237	.337	.237	.337
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	220	320
6"	O.D.	6.140	6.140	6.140	6.140	6.625	6.625	6.275	6.625	6.625	6.625	6.625	6.625	6.625	6.900
	I.D.	6.000	5.898	5.840	5.762	6.417	6.301	5.742	6.217	6.115	5.993	6.031	5.709	6.031	6.08
	Wall	.070	.121	.150	.189	.104	.162	0.18	.204	.255	.316	.280	.432	.280	.432
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	180	280
8"	O.D.	8.160	8.160	8.160	8.160	8.625	8.625	8.4	8.625	8.625	8.625	8.625	8.625	8.625	9.050
	I.D.	7.984	7.840	7.762	7.658	8.355	8.205	7.665	8.095	7.961	7.805	7.943	7.565	7.943	7.97
	Wall	.088	.160	.199	.251	.135	.210	.024	.265	.332	.410	.322	.500	.322	.503
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	160	250
10"	O.D.	10.200	10.200	10.200	10.200	10.750	10.750	10.5	10.750	10.750	10.750	10.750	10.750	10.750	11.100
	I.D.	9.980	9.800	9.702	9.572	10.414	10.226	9.563	10.088	9.924	9.748	9.976	9.492	9.976	9.78
	Wall	.110	.200	.249	.314	.168	.262	0.3	.331	.413	.511	.365	.593	.365	.617
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	140	230
12"	O.D.	12.240	12.240	12.240	12.240	12.750	12.750	12.5	12.750	12.750	12.750	12.750	12.750	12.750	13.200
	I.D.	11.975	11.760	11.642	11.486	12.352	12.128	11.361	11.966	11.770	11.538	11.890	11.294	11.890	11.63
	Wall	.132	.240	.299	.377	.199	.311	0.36	.392	.490	.606	.406	.687	.406	.733
	PSI	43	80	100	125	63	100	117.5	125	160	200	100	100	130	230
14"	O.D.	14.280	14.280	14.280	14.280	*	*	*	*	14	*	14.000	14.000	14.000	15.3
	I.D.	14.000	13.720	13.584	13.402	*	*	*	*	12.86	*	13.072	12.410	13.072	13.48
	Wall	.140	.280	.348	.439	*	*	*	*	0.538	*	.438	.750	.438	0.85
	PSI	43	80	100	125	*	*	*	*	160	*	100	100	130	220
15"	O.D.	15.300	15.300	15.300	15.300	*	*	15.3	*	*	*	*	*	*	*
	I.D.	14.970	14.700	14.550	14.358	*	*	13.898	*	*	*	*	*	*	*
	Wall	.165	.300	.375	.471	*	*	0.44	*	*	*	*	*	*	*
	PSI	43	80	100	125	*	*	117.5	*	*	*	*	*	*	*
16"	O.D.	*	*	*	*	*	*	*	*	16	*	16.000	16.000	16.000	17.4
	I.D.	*	*	*	*	*	*	*	*	14.696	*	14.940	14.214	14.940	15.33
	Wall	*	*	*	*	*	*	*	*	0.615	*	.500	.843	.500	.843
	PSI	*	*	*	*	*	*	*	*	160	*	100	100	130	220
18"	O.D.	18.360	18.701	18.701	18.701	*	18.000	18.701	18.000	18.000	*	18	18.000	18	18.000
	I.D.	17.964	17.967	17.789	17.551	*	17.122	17.629	16.616	16.616	*	16.808	16.014	16.808	16.014
	Wall	.198	.367	.456	.575	*	.439	0.536	.692	.692	*	.562	.937	0.582	.937
	PSI	43	80	100	125	*	100	117.5	160	160	*	100	100	120	220
20"	O.D.	20.400	*	*	*	*	20.000	*	20.000	*	*	20	20	20	20
	I.D.	19.962	*	*	*	*	19.026	*	18.462	*	*	18.863	17.814	18.863	17.614
	Wall	.219	*	*	*	*	.487	*	.769	*	*	0.533	1.031	0.533	1.031
	PSI	43	*	*	*	*	100	*	160	*	*	100	100	120	220
21"	O.D.	*	22.047	22.047	22.047	*	*	22.047	*	*	*	*	*	*	*
	I.D.	*	21.183	20.971	20.691	*	*	20.783	*	*	*	*	*	*	*
	Wall	*	.432	.538	.678	*	*	0.632	*	*	*	*	*	*	*
	PSI	*	80	100	125	*	*	117.5	*	*	*	*	*	*	*
24"	O.D.	*	24.803	24.803	24.803	*	24.000	24.8	24	*	*	24	24	24	25.800
	I.D.	*	23.831	23.593	23.277	*	22.748	23.381	22.043	*	*	22.54	21.418	22.54	21.418
	Wall	*	.486	.605	.763	*	.585	0.711	0.923	*	*	0.687	1.218	0.687	1.218
	PSI	*	80	100	125	*	100	117.5	160	*	*	100	100	120	210

\* Information Not Available



## PVC 80, 100 & 125 PSI PIP Fabricated Fittings

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# NOTES

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## The Spears® Quality Policy

It is the policy and objective of Spears® Manufacturing Company to produce a superior quality product suitable for its intended use, with regard to functionality, structural integrity, and conformance to established industry standards and practices. It is the commitment of this Company to do so in a manner which provides consistency of product quality, optimum availability, and superior customer service, while maintaining efficiency of operations and profitability necessary to perpetuate product improvement and customer satisfaction. Furthermore, it is recognized that the attainment of these objectives is the responsibility of all Company operations and personnel according to their respective functions.



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