

Discount Code(s): 390 PVC Sch. 40 Low Pressure Fabricated Fittings _____
400 PVC Sch. 80 Low Pressure 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 Schedule 40 & 80 Low Pressure Fabricated Fittings



**COMPLIES WITH
ASTM F 1866**

Visit our web site:
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**PRICE SCHEDULE LPR-1-0910
Effective September 26, 2010
Supersedes LPR-1-1009**



PVC Schedule 40 & 80 Low Pressure Fabricated Fittings

HOW TO USE THIS CATALOG

Spears® PVC Schedule 40 & 80 Low Pressure Fabricated Fittings catalog has been arranged for easy use in selection of desired products according to configuration, size, pressure class, part number and pricing information. Products in this catalog are listed in columns by configuration, such as Coupling, 90° Elbow, Tee, etc.; and pipe Schedule (Sch 40 or Sch 80) wall thickness. Similar configuration types are grouped together. A complete listing of content is located at the end of this catalog.

Low Pressure fittings (LPR) are designed for use in low-pressure systems as follows:

- Sizes up to 12" - Pressure Rated to 130 psi Maximum Internal Pressure @ 73°F (23°C)
- Sizes from 14" to 24" - Pressure Rated to 100 psi Maximum Internal Pressure @ 73°F (23°C)

Standard material pressure de-ratings apply at elevated temperatures. Spears® Low Pressure Fabricated Fittings are manufactured and tested in accordance with ASTM F 1866. For DWV (Drain, Waste, & Vent) applications, please refer to Spears® PVC Schedule 40 & 80 DWV Fabricated Fittings Price Schedule (DWV-1).

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).
Sch 40 Low PR, Sch 80 Low PR	Schedule of pipe (wall thickness) from which the fittings are fabricated.
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:

Soc (Socket)	Solvent Weld Socket
Spig (Spigot)	Pipe size O.D. end
*	Can also be found in Price Schedule MDWV-1

- 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.

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 Schedule 40 & 80 Low Pressure Fabricated Fittings




Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

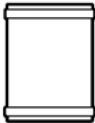
COUPLING (Soc x Soc)

	8	3729-080 69.27	3929-080 153.35
	10	3729-100 85.18	3929-100 167.01
	12	3729-120 125.39	3929-120 192.51
	14	3729-140 203.61	3929-140 384.95
	16	3729-160 227.10	3929-160 457.66
	18	3729-180 387.28	3929-180 902.11
	20	3729-200 675.61	3929-200 1112.26
	24	3729-240 938.29	3929-240 1918.73


REDUCER COUPLING (Soc x Soc) (continued)

	12x 8	3729-668` 252.50	3929-668 393.61
	12x10	3729-670` 191.07	3929-670 241.77
	14x 4	3729-694` 608.91	3929-694 744.37
	14x 6	3729-696` 589.49	3929-696 664.89
	14x 8	3729-698` 426.71	3929-698 654.00
	14x10	3729-700` 360.39	3929-700 552.13
	14x12	3729-702` 320.05	3929-702 352.96
	16x 4	3729-754` 651.72	3929-754 1093.81
	16x 6	3729-756` 600.30	3929-756 1025.46
	16x 8	3729-758` 546.24	3929-758 968.50
	16x10	3729-760` 487.84	3929-760 673.34
	16x12	3729-762` 442.89	3929-762 618.99
	16x14	3729-764` 384.10	3929-764 521.83
	18x 6	3729-786` 1084.87	3929-786 1580.91
	18x 8	3729-788` 920.14	3929-788 1462.96
	18x10	3729-790` 858.57	3929-790 1344.46
	18x12	3729-792` 803.86	3929-792 1123.63
	18x14	3729-794` 741.35	3929-794 1088.06
	18x16	3729-796` 553.79	3929-796 930.04
	20x 6	3729-816` 1358.83	3929-816 2223.06
	20x 8	3729-818` 1315.98	3929-818 2197.33
	20x10	3729-820` 1153.72	3929-820 2181.00
	20x12	3729-822` 1137.91	3929-822 2045.36
	20x14	3729-824` 1123.86	3929-824 2029.10
20x16	3729-826` 1060.22	3929-826 1625.01	
20x18	3729-828` 936.64	3929-828 1120.57	
24x 6	3729-906` 2732.86	3929-906 3758.81	
24x 8	3729-908` 2654.56	3929-908 3727.45	
24x10	3729-910` 2194.81	3929-910 3714.71	
24x12	3729-912` 2122.45	3929-912 3654.69	
24x14	3729-914` 2012.56	3929-914 3642.45	
24x16	3729-916` 1847.93	3929-916 3502.51	

REPAIR COUPLING (Gasket x Gasket)

	4	3728-040 67.14	3928-040 78.44
	6	3728-060 93.39	3928-060 110.54
	8	3728-080 147.01	3928-080 187.00
	10	3728-100 193.96	3928-100 261.66
	12	3728-120 243.33	3928-120 332.52
	14	3728-140 422.24	3928-140 736.29
	16	3728-160 622.10	3928-160 1104.65
	18	3728-180 813.27	3928-180 1435.96
	20	3728-200 1262.90	3928-200 1723.17
	24	3728-240 1712.80	3928-240 2324.28

REDUCER COUPLING (Soc x Soc)

	6x 2	3729-528` 100.74	3929-528 174.67
	6x 3	3729-530` 61.41	3929-530 129.03
	6x 4	3729-532` 35.98	3929-532 84.89
	8x 2	3729-578` 169.45	3929-578 235.97
	8x 3	3729-580` 156.87	3929-580 206.24
	8x 4	3729-582` 89.18	3929-582 162.98
	8x 6	3729-585` 76.65	3929-585 149.99
	10x 4	3729-624` 201.24	3929-624 382.88
	10x 6	3729-626` 187.54	3929-626 305.50
	10x 8	3729-628` 131.26	3929-628 163.29
	12x 4	3729-664` 378.38	3929-664 550.13
	12x 6	3729-666` 286.90	3929-666 453.59



PVC Schedule 40 & 80 Low Pressure Fabricated Fittings

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

REDUCER COUPLING (Soc x Soc) (continued)

	24x18	3729-918 1636.31	3929-918 2670.40
	24x20	3729-920 1230.10	3929-920 2394.88

ECCENTRIC REDUCER COUPLING (Soc x Soc)

	3x 2	3729-338E 31.95	3929-338E 44.51
	4x 2	3729-420E ² 43.39	3929-420E ² 113.55
	4x 3	3729-422E 40.10	3929-422E 52.54
	6x 2	3729-528E ³ 97.94	3929-528E ³ 147.83
	6x 3	3729-530E ² 90.21	3929-530E ² 143.62
	6x 4	3729-532E ² 45.11	3929-532E 109.54
	8x 3	3729-580E ³ 186.07	3929-580E ³ 208.73
	8x 4	3729-582E ² 92.91	3929-582E ² 189.46
	8x 6	3729-585E ¹ 75.11	3929-585E 145.69
	10x 4	3729-624E ² 212.45	3929-624E ³ 320.61
	10x 6	3729-626E ¹ 195.34	3929-626E ² 272.11
	10x 8	3729-628E ¹ 184.17	3929-628E 251.44
	12x 4	3729-664E ³ 396.38	3929-664E ⁴ 490.28
	12x 6	3729-666E ² 325.70	3929-666E ³ 403.49
	12x 8	3729-668E ² 215.98	3929-668E ² 348.59
	12x10	3729-670E ¹ 187.26	3929-670E 222.82
	14x 6	3729-696E ³ 661.64	3929-696E ⁴ 798.65
	14x 8	3729-698E ³ 541.99	3929-698E ³ 714.44
	14x10	3729-700E ² 492.01	3929-700E ² 517.24
	14x12	3729-702E 300.79	3929-702E 475.68
	16x 6	3729-756E ³ 691.36	3929-756E ⁵ 1475.54
	16x 8	3729-758E ³ 681.67	3929-758E ³ 1351.18
	16x10	3729-760E ² 504.07	3929-760E ³ 982.94
	16x12	3729-762E 479.65	3929-762E ² 872.69
	16x14	3729-764E 426.20	3929-764E 675.95
	18x 6	3729-786E ⁴ 982.67	3929-786E ⁶ 2036.86
	18x 8	3729-788E ⁴ 968.12	3929-788E ⁵ 1949.82
	18x10	3729-790E ³ 898.80	3929-790E ⁴ 1822.05

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

ECCENTRIC REDUCER COUPLING (Soc x Soc) (continued)

	18x12	3729-792E ² 811.16	3929-792E ³ 1626.32
	18x14	3729-794E ² 717.18	3929-794E ² 1340.80
	18x16	3729-796E 578.53	3929-796E 1308.31

2=two-step design, 3=three-step design, 4=four-step design, 5=five-step design, 6=six-step design

11-1/4° ELBOW (Soc x Soc)

	4	3711-040 39.07	3911-040 53.13
	6	3711-060 62.77	3911-060 99.33
	8	3711-080 106.11	3911-080 162.59
	10	3711-100 160.11	3911-100 288.16
	12	3711-120 253.29	3911-120 421.16
	14	3711-140 398.21	3911-140 644.76
	16	3711-160 542.83	3911-160 861.86
	18	3711-180 607.52	3911-180 1112.61
	20	3711-200 805.84	3911-200 1426.34
	24	3711-240 1440.68	3911-240 1632.63

15° ELBOW (Soc x Soc)

	4	3718-040 39.07	3918-040 53.13
	6	3718-060 62.77	3918-060 99.33
	8	3718-080 106.11	3918-080 162.59
	10	3718-100 160.11	3918-100 288.16
	12	3718-120 253.29	3918-120 421.16
	14	3718-140 398.21	3918-140 644.76
	16	3718-160 542.83	3918-160 861.86
	18	3718-180 607.52	3918-180 1112.61
	20	3718-200 805.84	3918-200 1426.34
	24	3718-240 1440.68	3918-240 1632.63

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Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
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22-1/2° ELBOW (Soc x Soc)

	4	3716-040 39.07	3916-040 53.13
	6	3716-060 62.77	3916-060 99.33
	8	3716-080 106.11	3916-080 162.59
	10	3716-100' 160.11	3916-100 288.16
	12	3716-120' 253.29	3916-120 421.16
	14	3716-140' 398.21	3916-140 644.76
	16	3716-160 542.83	3916-160 861.86
	18	3716-180 651.90	3916-180 1112.61
	20	3716-200 805.84	3916-200 1426.34
	24	3716-240 1440.68	3916-240 1632.63

22-1/2° STREET ELL (Spig x Soc)

	6	3742-060 69.04	3942-060 109.23
	8	3742-080 116.71	3942-080 178.84
	10	3742-100' 176.11	3942-100 316.99
	12	3742-120' 278.61	3942-120 463.29
	14	3742-140' 438.02	3942-140 709.24
	16	3742-160 431.09	3942-160 948.04
	18	3742-180 717.09	3942-180 1222.30
	20	3742-200 1092.49	3942-200 1679.19
	24	3742-240 1694.91	3942-240 1921.16

30° ELBOW (Soc x Soc)

	4	3715-040 39.07	3915-040 53.13
	6	3715-060 62.77	3915-060 99.33
	8	3715-080 106.11	3915-080 162.59
	10	3715-100 160.11	3915-100 288.16
	12	3715-120 253.29	3915-120 421.16
	14	3715-140 398.21	3915-140 644.76
	16	3715-160 542.83	3915-160 861.86
	18	3715-180 651.90	3915-180 1112.61
	20	3715-200 805.84	3915-200 1426.34
	24	3715-240 1440.68	3915-240 1632.63

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

45° ELBOW (Soc x Soc)

	6	3717-060 101.45	3917-060 166.47
	8	3717-080 121.48	3917-080 178.88
	10	3717-100 199.80	3917-100 327.68
	12	3717-120 280.61	3917-120 468.44
	14	3717-140' 486.55	3917-140 673.20
	16	3717-160 600.76	3917-160 871.77
	18	3717-180 693.29	3917-180 1179.26
	20	3717-200 946.62	3917-200 1481.21
	24	3717-240 1743.77	3917-240 1743.77

45° STREET ELL (Spig x Soc)

	4	3727-040 95.45	3927-040 116.79
	6	3727-060 101.45	3927-060 166.47
	8	3727-080 121.48	3927-080 178.88
	10	3727-100' 199.80	3927-100 327.68
	12	3727-120' 280.61	3927-120 468.44
	14	3727-140' 486.55	3927-140 673.20
	16	3727-160 600.76	3927-160 871.77
	18	3727-180 693.29	3927-180 1179.26
	20	3727-200 946.62	3927-200 1481.21
	24	3727-240 1257.83	3927-240 1743.77

60° ELBOW (Soc x Soc)

	6	3724-060' 121.24	3924-060 176.85
	8	3724-080' 172.98	3924-080 297.10
	10	3724-100' 289.87	3924-100 556.88
	12	3724-120' 379.79	3924-120 819.63
	14	3724-140' 696.16	3924-140 1191.02
	16	3724-160 846.39	3924-160 1447.14
	18	3724-180 1087.36	3924-180 1611.51
	20	3724-200 1159.96	3924-200 1900.03
	24	3724-240 1494.50	3924-240 2029.83

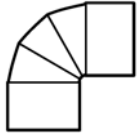


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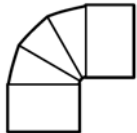
90° STREET ELL (Spig x Soc)

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each
4	---	3909-040 133.13
6	3709-060 116.02	3909-060 157.77
8	3709-080 159.60	3909-080 259.82
10	3709-100 266.68	3909-100 514.97
12	3709-120 388.65	3909-120 756.59
14	3709-140 537.45	3909-140 1105.64
16	3709-160 835.91	3909-160 1373.12
18	3709-180 1208.94	3909-180 1768.33
20	3709-200 1362.76	3909-200 2086.43
24	3709-240 1704.09	3909-240 2229.04



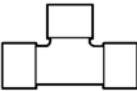
90° ELBOW (Soc x Soc)

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each
6	3706-060 109.30	3906-060 141.49
8	3706-080 151.84	3906-080 237.64
10	3706-100 240.02	3906-100 469.12
12	3706-120 369.21	3906-120 684.10
14	3706-140 494.47	3906-140 1006.52
16	3706-160 733.28	3906-160 1251.81
18	3706-180 1090.59	3906-180 1611.51
20	3706-200 1226.65	3906-200 1900.03
24	3706-240 1533.97	3906-240 2842.99



TEE (Soc x Soc x Soc)

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each
6	3701-060 110.71	3901-060 192.55
6x 2	3701-528 95.67	3901-528 143.46
6x 3	3701-530 100.49	3901-530 150.21
6x 4	3701-532 105.11	3901-532 155.95
8	3701-080 180.35	3901-080 305.62
8x 2	3701-578 112.49	3901-578 200.93
8x 3	3701-580 117.96	3901-580 226.39
8x 4	3701-582 121.17	3901-582 231.44
8x 6	3701-585 131.48	3901-585 240.28
10	3701-100 350.77	3901-100 476.69
10x 2	3701-621 183.12	3901-621 283.51



Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

TEE (Soc x Soc x Soc) (continued)

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each
10x 3	3701-623 186.51	3901-623 308.79
10x 4	3701-624 191.07	3901-624 349.32
10x 6	3701-626 233.55	3901-626 426.85
10x 8	3701-628 313.11	3901-628 447.31
12	3701-120 466.17	3901-120 656.79
12x 2	3701-661 244.48	3901-661 351.10
12x 3	3701-663 248.09	3901-663 409.17
12x 4	3701-664 254.33	3901-664 464.87
12x 6	3701-666 295.40	3901-666 540.86
12x 8	3701-668 352.84	3901-668 595.50
12x10	3701-670 402.07	3901-670 603.30
14	3701-140 916.36	3901-140 1179.59
14x 2	3701-691 387.72	3901-691 621.73
14x 3	3701-693 429.13	3901-693 695.59
14x 4	3701-694 478.43	3901-694 765.55
14x 6	3701-696 561.48	3901-696 898.39
14x 8	3701-698 669.44	3901-698 1076.36
14x10	3701-700 760.96	3901-700 1132.32
14x12	3701-702 900.20	3901-702 1143.32
16	3701-160 1297.13	3901-160 1858.31
16x 2	3701-751 552.88	3901-751 797.09
16x 3	3701-753 558.94	3901-753 881.66
16x 4	3701-754 593.33	3901-754 949.27
16x 6	3701-756 641.80	3901-756 1026.80
16x 8	3701-758 751.34	3901-758 1202.80
16x10	3701-760 944.45	3901-760 1346.67
16x12	3701-762 1072.44	3901-762 1707.23
16x14	3701-764 1272.74	3901-764 1765.37
18	3701-180 1612.00	3901-180 2006.31
18x 4	3701-784 947.53	3901-784 1101.71
18x 6	3701-786 962.53	3901-786 1246.67
18x 8	3701-788 1002.03	3901-788 1293.34

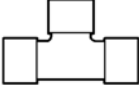


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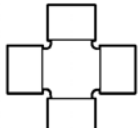
Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
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TEE (Soc x Soc x Soc) (continued)

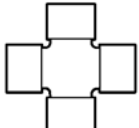
	18x10	3701-790 1129.40	3901-790 1306.93
	18x12	3701-792 1203.17	3901-792 1606.62
	18x14	3701-794 1290.49	3901-794 1847.55
	18x16	3701-796 1385.13	3901-796 1887.88
	20	3701-200 2146.70	3901-200 2887.18
	20x 4	3701-814 1145.17	3901-814 1529.59
	20x 6	3701-816 1211.77	3901-816 1724.96
	20x 8	3701-818 1280.45	3901-818 2118.45
	20x10	3701-820 1374.15	3901-820 2188.67
	20x12	3701-822 1455.04	3901-822 2311.86
	20x14	3701-824 1570.19	3901-824 2514.57
	20x16	3701-826 1672.01	3901-826 2560.44
	20x18	3701-828 1844.28	3901-828 2768.27
	24	3701-240 2674.43	3901-240 3463.00
	24x 4	3701-904 1576.88	3901-904 1896.26
	24x 6	3701-906 1657.51	3901-906 2138.54
	24x 8	3701-908 1758.49	3901-908 2313.36
	24x10	3701-910 1857.78	3901-910 2517.20
	24x12	3701-912 1957.64	3901-912 2648.74
	24x14	3701-914 2091.70	3901-914 2936.91
	24x16	3701-916 2212.46	3901-916 3030.54
	24x18	3701-918 2403.67	3901-918 3178.38
	24x20	3701-920 2580.67	3901-920 3324.62

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

CROSS (Soc x Soc x Soc x Soc) (continued)

	8x 3	3720-580 199.54	3920-580 230.39
	8x 4	3720-582 219.21	3920-582 247.16
	8x 6	3720-585 275.82	3920-585 320.32
	10	3720-100 467.62	3920-100 854.76
	10x 2	3720-621 195.87	3920-621 392.53
	10x 3	3720-623 225.60	3920-623 454.21
	10x 4	3720-624 258.80	3920-624 465.72
	10x 6	3720-626 296.78	3920-626 569.07
	10x 8	3720-628 416.66	3920-628 750.95
	12	3720-120 616.47	3920-120 1204.49
	12x 2	3720-661 258.86	3920-661 531.41
	12x 3	3720-663 290.53	3920-663 594.01
	12x 4	3720-664 307.14	3920-664 619.84
	12x 6	3720-666 375.43	3920-666 719.73
	12x 8	3720-668 456.23	3920-668 859.77
	12x10	3720-670 529.54	3920-670 979.74
	14	3720-140 1024.09	3920-140 2141.68
	14x 2	3720-691 505.26	3920-691 806.70
	14x 3	3720-693 562.57	3920-693 888.72
	14x 4	3720-694 624.59	3920-694 993.59
	14x 6	3720-696 702.56	3920-696 1115.13
	14x 8	3720-698 809.40	3920-698 1282.62
	14x10	3720-700 919.67	3920-700 1535.84
	14x12	3720-702 972.97	3920-702 1799.45
	16	3720-160 1495.97	3920-160 2715.13
	16x 2	3720-751 693.32	3920-751 1094.13
	16x 3	3720-753 761.99	3920-753 1195.31
	16x 4	3720-754 791.10	3920-754 1265.71
	16x 6	3720-756 855.64	3920-756 1369.05
	16x 8	3720-758 1002.33	3920-758 1603.69
	16x10	3720-760 1193.97	3920-760 1846.79
	16x12	3720-762 1372.15	3920-762 2193.87

CROSS (Soc x Soc x Soc x Soc)

	4x 2	---	3920-420 122.31
	4x 3	---	3920-422 134.60
	6	3720-060 142.23	3920-060 331.73
	6x 2	3720-528 106.77	3920-528 171.87
	6x 3	3720-530 126.44	3920-530 193.72
	6x 4	3720-532 139.40	3920-532 239.18
	8	3720-080 287.27	3920-080 399.53
	8x 2	3720-578 184.43	3920-578 216.87

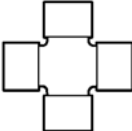


PVC Schedule 40 & 80 Low Pressure Fabricated Fittings


Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each

Size	SCH 40 LOW PR Disc Code: 390	SCH 80 LOW PR Disc Code: 400
	Part Number Price Each	Part Number Price Each


CROSS (Soc x Soc x Soc x Soc) (continued)

	16x14	3720-764 1440.78	3920-764 2587.26
	18	3720-180 2119.43	3920-180 3351.85
	18x 4	3720-784 857.77	3920-784 1597.41
	18x 6	3720-786 1209.37	3920-786 1825.82
	18x 8	3720-788 1370.18	3920-788 2178.14
	18x10	3720-790 1481.93	3920-790 2468.51
	18x12	3720-792 1575.61	3920-792 2738.52
	18x14	3720-794 1660.33	3920-794 2926.80
	18x16	3720-796 1926.99	3920-796 3179.19
	20	3720-200 3605.70	3920-200 5658.71
	20x 4	3720-814 1514.46	3920-814 2099.24
	20x 6	3720-816 1572.72	3920-816 2270.85
	20x 8	3720-818 1953.79	3920-818 2471.18
	20x10	3720-820 2231.96	3920-820 2901.09
	20x12	3720-822 2329.02	3920-822 3211.00
	20x14	3720-824 2533.39	3920-824 3468.95
	20x16	3720-826 2849.05	3920-826 3857.61
	20x18	3720-828 3082.57	3920-828 4600.87
	24	3720-240 4748.84	3920-240 6859.59
	24x 4	3720-904 1935.80	3920-904 2317.49
	24x 6	3720-906 2298.34	3920-906 2642.74
	24x 8	3720-908 2446.67	3920-908 3449.11
	24x10	3720-910 2615.56	3920-910 3743.77
	24x12	3720-912 2880.52	3920-912 4294.79
24x14	3720-914 2962.72	3920-914 5041.30	
24x16	3720-916 3283.61	3920-916 5345.20	
24x18	3720-918 3667.24	3920-918 5614.22	
24x20	3720-920 4440.39	3920-920 5978.71	

CAP (Soc)

	10	3747-100' 111.14	3947-100 217.02
	12	3747-120' 140.35	3947-120 375.72
	14	3747-140' 238.65	3947-140 426.11
	16	3747-160 305.50	3947-160 562.40
	18	3747-180 338.04	3947-180 738.89
	20	3747-200 595.44	3947-200 853.85
	24	3747-240 880.17	3947-240 990.76

SPIGOT PLUG

	6	3749-060 42.96	3949-060 129.93
	8	3749-080 109.73	3949-080 219.30
	10	3749-100 125.14	3949-100 277.26
	12	3749-120 179.37	3949-120 441.46
	14	3749-140 304.32	---
	16	3749-160 370.82	3949-160 642.16

PVC Schedule 40 & 80 Low Pressure Fabricated Fittings



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.

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 Schedule 40 & 80 Low Pressure Fabricated Fittings

STANDARDS & SPECIFICATIONS

Standards provide greater assurance of product performance and consistency, and are available to assist design engineers in system specification. Along with ASTM Standards, additional product specifications and certifications form the basis of product conformance to which Spears® products are manufactured.

ASTM F 1866
ASTM D 1784

Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings.
Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.



National Sanitation Foundation (NSF) Standard 14 Fabricated Fittings for DWV applications (NSF-dww).

Material

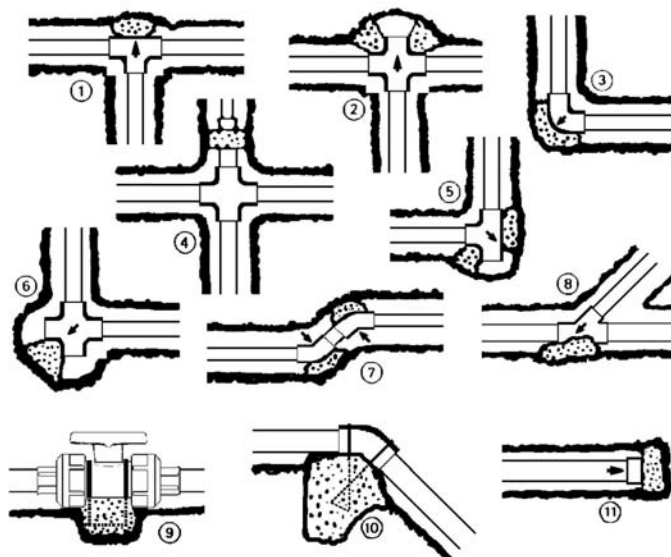
PVC Type I Cell Classification 12454

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 Schedule 40 & 80 Low Pressure Fabricated Fittings



Pipe Dimension Reference Chart

Pipe Type		LH	80	100	125	CL 63	CL 100	SEWER	CL 125	CL 160	CL 200	40 DWV	80 DWV	SCH 40	SCH 80	C-900
O.D. Size		PIP	PIP	PIP	PIP	IPS	IPS	PSM	IPS	IPS	IPS	IPS	IPS	IPS	IPS	CI
SDR		91	51	41	32.5	64	41	35	32.5	26	21	—	—	—	—	DR 18
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	4.500	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	3.786	4.22
	Wall PSI	.065 43	.081 80	.101 100	.127 125	.070 63	.110 100	0.125 117.5	.138 125	.173 160	.214 200	.237 100	.337 100	.237 220	.337 320	.267 150
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	6.625	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	5.709	6.08
	Wall PSI	.070 43	.121 80	.150 100	.189 125	.104 63	.162 100	0.18 117.5	.204 125	.255 160	.316 200	.280 100	.432 100	.280 180	.432 280	.383 150
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	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	7.565	7.97
	Wall PSI	.088 43	.160 80	.199 100	.251 125	.135 63	.210 100	.024 117.5	.265 125	.332 160	.410 200	.322 100	.500 100	.322 160	.500 250	.503 150
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	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	9.492	9.78
	Wall PSI	.110 43	.200 80	.249 100	.314 125	.168 63	.262 100	0.3 117.5	.331 125	.413 160	.511 200	.365 100	.593 100	.365 140	.593 230	.617 150
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	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	11.294	11.63
	Wall PSI	.132 43	.240 80	.299 100	.377 125	.199 63	.311 100	0.36 117.5	.392 125	.490 160	.606 200	.406 100	.687 100	.406 130	.687 230	.733 150
14"	O.D.	14.280	14.280	14.280	14.280	*	*	*	*	14	*	14.000	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	12.410	13.48
	Wall PSI	.140 43	.280 80	.348 100	.439 125	*	*	*	*	0.538 160	*	.438 100	.750 100	.438 130	.750 220	0.85 235
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 PSI	.165 43	.300 80	.375 100	.471 125	*	*	0.44 117.5	*	*	*	*	*	*	*	*
16"	O.D.	*	*	*	*	*	*	*	*	16	*	16.000	16.000	16.000	16.000	17.4
	I.D.	*	*	*	*	*	*	*	*	14.696	*	14.940	14.214	14.940	14.214	15.33
	Wall PSI	*	*	*	*	*	*	*	*	0.615 160	*	.500 100	.843 100	.500 130	.843 220	0.967 235
18"	O.D.	18.360	18.701	18.701	18.701	*	18.000	18.701	*	18.000	*	18	18.000	18	18.000	19.5
	I.D.	17.964	17.967	17.789	17.551	*	17.122	17.629	*	16.616	*	16.808	16.014	16.808	16.014	17.83
	Wall PSI	.198 43	.367 80	.456 100	.575 125	*	.439 100	0.536 117.5	*	.692 160	*	.562 100	.937 100	.582 120	.937 220	1.083 235
20"	O.D.	20.400	*	*	*	*	20.000	*	*	20.000	*	20	20	20	20	21.6
	I.D.	19.962	*	*	*	*	19.026	*	*	18.462	*	18.863	17.814	18.863	17.614	19.03
	Wall PSI	.219 43	*	*	*	*	.487 100	*	*	.769 160	*	0.533 100	1.031 100	0.533 120	1.031 220	1.2 235
21"	O.D.	*	22.047	22.047	22.047	*	*	22.047	*	*	*	*	*	*	*	*
	I.D.	*	21.183	20.971	20.691	*	*	20.783	*	*	*	*	*	*	*	*
	Wall PSI	*	.432 80	.538 100	.678 125	*	*	0.632 117.5	*	*	*	*	*	*	*	*
24"	O.D.	*	24.803	24.803	24.803	*	24.000	24.8	*	24	*	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	23.73
	Wall PSI	*	.486 80	.605 100	.763 125	*	.585 100	0.711 117.5	*	.923 160	*	0.687 100	1.218 100	0.687 120	1.218 210	1.200 235

* Information Not Available



PVC Schedule 40 & 80 Low Pressure Fabricated Fittings

LIMITED LIFETIME WARRANTY

Except as otherwise mandated by law or herein provided, Spears® Manufacturing Company ("Company") warrants Standard Catalog Products ("Products") which have been directly manufactured by them to be free from defects in material and workmanship for as long as the original intended end user of the Products ("End User") retains ownership and possession of the Products and complies with this Warranty ("Warranty Period"). Each other person or entity acquiring or employing the Products, including buyers, contractors and installers ("Buyer") and End Users ("Buyer/End User") agrees that this Warranty shall be effective only during the Warranty Period so long as the Products are used solely for the normal purposes for which they are intended and in conformance with industry established standards, engineering, installation, operating, and maintenance specifications, recommendations and instructions including explicit instructions by the Company; the Products are properly installed, operated and used, and have not been modified; and all the other terms of this Warranty are complied with. Any violation thereof shall void this Warranty and relieve Company from all obligations arising from this Warranty and the Products.

Upon receipt or discovery of any Products that appear questionable or defective each Buyer/End User shall promptly inspect and return any such Product to the Company at 15853 Olden Street, Sylmar, California 91342, accompanied by a letter stating the nature of any problems. If the Products are determined by Company to be defective in materials or workmanship directly provided by Company, Company, at its sole option, may either repair or replace the defective Products, or reimburse applicable Buyer/End User for the cost of such Products. The applicable Buyer/End User shall bear all applicable shipping costs. THIS SHALL BE BUYERS/END USERS' SOLE REMEDY. EACH BUYER/END USER AGREES THAT COMPANY WILL NOT BE RESPONSIBLE FOR ANY OTHER OBLIGATIONS RELATING TO THE PRODUCTS, INCLUDING ANY OTHER MATERIALS OR LABOR COSTS, LOSS OF USE OR ANY OTHER ITEM OR FOR ANY DELAYS IN COMPLYING WITH THIS WARRANTY BEYOND COMPANY'S REASONABLE CONTROL.

COMPANY SHALL NOT BE LIABLE FOR, DOES NOT ASSUME, AND EXPRESSLY DISCLAIMS, ANY LIABILITY, RESPONSIBILITY AND DAMAGES: DUE TO ANY BUYER/END USER'S FAILURE TO COMPLY WITH THIS WARRANTY, INCLUDING IMPROPER INSTALLATION, USE OR OPERATION; USE WITH PRODUCTS FROM OTHER MANUFACTURERS THAT DO NOT MEET ASTM OR OTHER APPLICABLE PRODUCT STANDARDS; IMPROPER CONTROL OF SYSTEM HYDRAULICS, IMPROPER WINTERIZATION PROCEDURES, IMPROPER VOLTAGE SUPPLY, CONTACT WITH INCOMPATIBLE MATERIALS OR CHEMICALS, EXCAVATION/DIGGING, EXCESSIVE WEIGHT, AND VANDALISM; DUE TO REASONABLE WEAR AND TEAR AND DUE TO ANY ACTS OF NATURE, INCLUDING LIGHTNING, EARTHQUAKES, GROUND MOVEMENT, FROST HEAVE, OR FLOODS.

COMPANY EXTENDS ONLY THIS WARRANTY AND EXPLICITLY DISCLAIMS ALL OTHER WARRANTIES, WHETHER IMPLIED OR OTHERWISE EXPRESSED, WHETHER ORAL, STATUTORY OR OTHERWISE, INCLUDING ANY IMPLIED WARRANTIES OR AFFIRMATIONS FOR SUITABILITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO AFFIRMATION BY COMPANY OR ANY OF ITS REPRESENTATIVES, BY WORDS, CONDUCT OR OTHERWISE, SHALL CONSTITUTE A WARRANTY. THIS WARRANTY MAY NOT BE TRANSFERRED, EXTENDED, ALTERED OR OTHERWISE MODIFIED IN ANY MANNER, EXCEPT BY WRITTEN AGREEMENT SIGNED BY COMPANY.

BY ITS ACCEPTANCE OF THE PRODUCTS, EACH BUYER/END USER EXPRESSLY WAIVES ALL OTHER LIABILITY OR OBLIGATION OF ANY KIND OR CHARACTER OF COMPANY, INCLUDING LIABILITY PREDICATED UPON CONTRACT, TORT, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE GROUNDS, AND ALL, IF ANY, DAMAGES AND LOSSES AS A RESULT THEREOF, INCLUDING ALL, IF ANY, COMPENSATORY, GENERAL, SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR PUNITIVE DAMAGES. WITH RESPECT TO SUCH WAIVERS, EACH BUYER/END USER EXPLICITLY WAIVES CALIFORNIA CIVIL CODE §1542 WHICH STATES "A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THIS RELEASE, WHICH IF KNOWN BY HIM MUST HAVE MATERIALLY ADVERSELY AFFECTED HIS SETTLEMENT WITH DEBTOR" AND ALL OTHER SIMILAR STATUTORY, COMMON AND CASE LAW RIGHTS, DEFENSES AND LIMITATIONS.

Having previously independently inspected the Products, or a sample, as fully as desired, or having the opportunity to and having not done so, upon acceptance of delivery of the Products, and except as otherwise herein explicitly provided, each Buyer/End User by acceptance or use of the Products accepts them in their "AS IS" and "WITH ALL FAULTS" condition without any other warranty, expressed, implied or otherwise, and accepts and assumes the entire risk and cost of all servicing, remediation and consequences thereof. This Warranty shall be governed by California law and any unenforceable provisions severed without affecting the remaining provisions. As used herein, "including" includes "without limitation."

PVC Schedule 40 & 80 Low Pressure Fabricated Fittings



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NOTES

The Spears® Quality Policy

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