



PVC & CPVC SCHEDULE 80 FITTINGS, UNIONS, TANK ADAPTERS, EXPANSION JOINTS & SADDLES

PVC Performance Engineered & Tested



SPEARS® Schedule 80 PVC product designs combine years of proven experience with computer generated stress analysis to yield the optimum physical structure and performance for each fitting. Material reinforcement is uniformly placed in stress concentration areas for substantially improved pressure handling capability. Resulting products are subjected to numerous verification tests to assure obtaining the very best PVC fittings available.

1/4" Through 12" Availability

Spears® comprehensive line of PVC injection molded fittings and extruded pipe offers a variety of configurations in sizes 1/4" through 12". Schedule 80 fittings are manufactured to ASTM D 2467 and pipe is produced to ASTM D 1785. Spears® exclusive CL150 Flanges are produced in sizes 1/2" - 18" with ANSI B16.5 bolt patterns, plus numerous Unions, Saddles, Transition and Specialty fittings in a variety of sizes.

Exceptional Chemical & Corrosion Resistance

Unlike metal, PVC fittings and pipe never rust, scale, or pit, and will provide many years of maintenance-free service and extended system life.

High Temperature Ratings

PVC thermoplastic can handle fluids at service temperatures up to 140°F (60°C), allowing a wide range of process applications, including corrosive fluids.

Lower Installation Costs

Substantially lower material costs than steel alloys or lined steel, combined with lighter weight and ease of installation, can reduce installation costs by as much as 60% over conventional metal systems.

Higher Flow Capacity

Smooth interior walls result in lower pressure loss and higher volume than conventional metal fittings.

Additional Fabricated Configurations through 36"

Extra large, hard-to-find, and custom configurations are fabricated from NSF® Certified pipe. Fittings are engineered and tested to provide full pressure handling capabilities according to Spears® specifications.

Advanced Design Specialty Fittings

Spears® wide range of innovative, improved products include numerous metal-to-plastic transition fittings and unions with Spears® patented special reinforced (SR) plastic threads.

PVC Valves

SPEARS® PVC Valve products are available for total system compatibility and uniformity.

1/8" Through 24" Industrial Pipe Availability

Spears® premium quality Industrial CPVC pipe is offered in Schedule 80 sizes 1/8" through 24". Schedule 40 CPVC pipe is also available.

PVC Sample Engineering Specifications

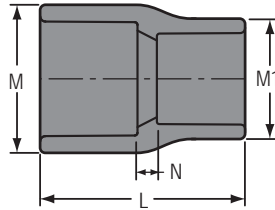
All PVC Schedule 80 pipe and fittings shall be produced by Spears® Manufacturing Company from PVC Type I, cell classification 12454, conforming to ASTM Standard D 1784. All PVC injection molded Schedule 80 fittings and extruded pipe shall be Certified for potable water service by NSF International. All Schedule 80 fittings shall be manufactured in strict compliance to ASTM D 2467 and Schedule 80 pipe shall be manufactured in strict compliance to ASTM D 1785. All fabricated fittings shall be produced in accordance with Spears® General Specifications for Fabricated Fittings. All PVC flanges shall be designed and manufactured to meet CL150 bolt pattern per ANSI Standard B16.5 and rated for a maximum internal pressure of 150 psi, non-shock at 73°F.

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REDUCER COUPLING (continued)

Socket x Socket



Part Number		Size	L	M	M1	N	Approx. Wt. (Lbs.)	
PVC	CPVC						PVC	CPVC
829-338	829-338C	3x2	4	4-5/32	2-27/32	11/16	.68	.76
829-339	829-339C	3x2-1/2	3-27/32	4-3/16	3-1/2	3/16	1.26	.80
829-339F	829-339CF	3x2-1/2	6	4-1/16	3-7/16	1-3/4	.90	1.01
829-416 ¹	829-416C ¹	4x3/4	5-23/32	5-9/32	2-29/32	2-13/32	1.67	1.78
829-417 ¹	829-417C ¹	4x1	5-15/16	5-9/32	2-29/32	2-17/32	1.71	1.54
829-419 ¹	829-419C ¹	4x1-1/2	5-23/32	5-9/32	2-29/32	2-1/16	1.59	1.68
829-420	829-420C	4x2	5-1/2	5-9/32	2-7/8	1-25/32	1.45	1.50
829-421	829-421C	4x2-1/2	4-9/16	5-3/16	3-1/2	17/32	1.25	1.35
829-422	829-422C	4x3	4-5/8	5-1/4	4-1/8	1/2	1.25	1.33
829-460F	---	4-1/2x4	6-15/16	5-5/8	5-3/16	2-3/16	1.97	---
829-487F	---	5x2-1/2	8-1/8	6-1/4	5-3/16	3-5/8	2.64	---
829-488F	829-488CF	5x3	7-15/16	6-1/4	5-3/16	2-15/16	3.08	3.13
829-490F	829-490CF	5x4	7-3/4	6-1/4	5-3/16	2-1/2	2.09	2.53
829-491F	---	5x4-1/2	8-3/16	6-1/4	5-5/8	2-15/16	3.22	---
829-528 ¹	829-528C ¹	6x2	7-1/16	7-1/2	5	2-9/16	4.37	4.42
829-529 ¹	829-529C	6x2-1/2	6-31/32	7-19/32	5-9/32	2-3/16	4.30	4.72
829-530 ¹	829-530C ¹	6x3	7-1/8	7-9/16	5-9/32	2-1/4	4.07	4.25
829-530F	---	6x3	9-3/16	7-5/16	5-3/16	3-15/16	3.85	---
---	829-530CF	6x3	9-1/4	7-5/16	5-3/16	4-3/16	---	4.22
829-532	829-532C	6x4	6-5/8	7-5/8	5-5/16	1-7/16	3.28	3.45
829-533F	829-533CF	6x5	8-15/16	7-3/8	6-5/16	2-11/16	3.57	3.93
829-534F	---	6x4-1/2	9-5/16	7-5/16	5-5/8	3-9/16	3.22	---
829-579F	---	8x2-1/2	15	9-1/2	5-3/16	8-3/4	8.33	---
829-580F	---	8x3	14-15/16	9-1/2	5-3/16	8-11/16	7.95	---
---	829-580CF	8x3	15	9-1/2	5-3/16	8-7/8	---	8.74
829-582	829-582C	8x4	8-29/32	9-23/32	5-1/4	2-15/32	6.31	6.47
829-582F	829-582CF	8x4	14-5/8	9-1/2	5-3/16	8-1/8	8.17	9.36
829-583F	829-583CF	8x5	14-11/16	9-1/2	6-5/16	7-7/16	7.78	8.30
829-585	829-585C	8x6	8	9-3/4	7-1/2	1	6.16	6.48
829-621F	829-621CF	10x2	21-1/2	11-3/4	5-3/16	14-3/4	16.16	17.05
829-623F	829-623CF	10x3	21-7/16	11-3/4	5-3/16	14-3/16	15.77	17.18
---	829-623CF	10x3	21-1/2	11-3/4	5-3/16	14-7/16	---	20.10
829-624F	829-624CF	10x4	21-1/8	11-3/4	5-3/16	13-5/8	17.13	16.54
829-625F	829-625CF	10x5	21-3/16	11-3/4	6-5/16	12-15/16	16.38	16.94
829-626	829-626C	10x6	10-19/32	12-1/32	7-19/32	2-17/32	11.08	11.43
829-626F	---	10x6	17-1/2	11-3/4	7-1/2	9	14.72	---
---	829-626CF	10x6	17-5/8	11-3/4	7-1/2	9-1/8	---	15.00
829-628	829-628C	10x8	10-5/8	12	9-3/4	1-17/32	11.26	11.44
829-628F	---	10x8	13-1/4	11-3/4	9-5/8	3-3/4	11.42	---
---	829-628CF	10x8	13-3/8	11-3/4	9-5/8	3-7/8	---	12.00
829-664F	829-664CF	12x4	28-3/8	13-15/16	5-3/16	19-7/8	31.70	32.77
829-665F	829-665CF	12x5	28-7/16	13-15/16	6-5/16	19-3/16	27.25	33.24
829-666F	---	12x6	24-3/4	13-15/16	7-1/2	15-1/4	26.96	---
---	829-666CF	12x6	24-7/8	13-15/16	7-1/2	15-3/8	---	25.86
829-668	829-668C	12x8	12-5/8	14-7/32	9-3/4	2-7/16	17.92	19.26
829-668F	---	12x8	20-1/2	13-15/16	9-5/8	10	24.34	---

¹ Outlet sized with bushing