



Schedule 80 CPVC Pipe - Gray



ENGINEERING GUIDE

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Schedule 80 CPVC Technical
Schedule 80 CPVC Pipe Dimensions & Pressure Ratings



Schedule 80 CPVC Pipe

Nom. Pipe Size (in)	Average O.D.	Average I.D.	Min. Wall	Nominal Wt./Ft.	Maximum W.P. PSI*
1/4	.540	.282	0.119	0.117	1130
3/8	.675	.403	0.126	0.163	920
1/2	.840	.526	0.147	0.225	850
3/4	1.050	.722	0.154	0.304	690
1	1.315	.936	0.179	0.449	630
1-1/4	1.660	1.255	0.191	0.617	520
1-1/2	1.900	1.476	0.200	0.751	470
2	2.375	1.913	0.218	1.040	400
2-1/2	2.875	2.290	0.276	1.582	420
3	3.500	2.864	0.300	2.121	370
3-1/2	4.000	3.326	0.318	2.735	350
4	4.500	3.786	0.337	3.2101	320
5	5.563	4.768	0.375	4.800	290
6	6.625	5.709	0.432	6.200	280
8	8.625	7.565	0.500	9.042	250
10	10.750	9.493	0.593	13.018	230
12	12.750	11.294	0.687	18.350	230
14	14.000	12.410	0.750	23.260	220
16	16.000	14.213	0.843	29.892	220
18	18.000	16.014	0.937	35.421	220
20	20.000	17.814	1.031	45.879	220
24	24.000	21.418	1.218	64.958	210

Maximum CPVC Service Temperature 200°F

Pressure De-rating at Elevated Temperatures

The pressure ratings given above are for water, non-shock, @ 73°F. The specified derating factors for CPVC are suitable for pipe conveying water at elevated temperatures. To determine elevated temperature rating, multiply 73°F [23°C] pressure rating by appropriate factor shown in the table for desired operating temperature. When working near maximum specified temperature, solvent cement joints are recommended in place of threaded connections. Where disassembly is required at elevated temperatures, use Spears® Special reinforced (SR) adapters, flanges, unions or grooved coupling connections. Spears® recommends that only Schedule 80 or heavier wall thickness pipe should be threaded.

CPVC Pipe

Operating Temp (°F)	De-Rating Factor
73	1.00
90	0.91
100	0.82
110	0.72
120	0.65
130	0.57
140	0.50
150	0.42
160	0.40
170	0.29
180	0.25
200	0.20

EX: 2" CPVC SCHEDULE 80 @
 120°F = 400 psi x 0.65 = 260 psi max. @ 120°F

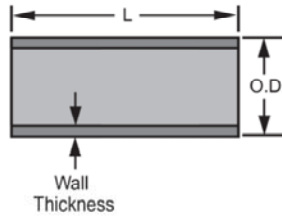
See Plastic Pipe Engineering Guide for additional information



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Pipe - CPVC Schedule 40 Plain End

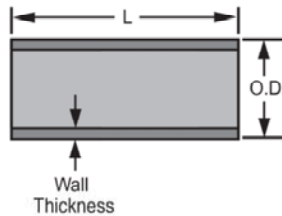
10' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-400-001C-10	1/8	10	.405	.068	.09
PD-400-002C-10	1/4	10	.540	.088	.09
PD-400-003C-10	3/8	10	.675	.091	.12
PD-400-005C-10	1/2	10	.840	.109	.18
PD-400-007C-10	3/4	10	1.050	.113	.23
PD-400-010C-10	1	10	1.315	.133	.35
PD-400-012C-10	1-1/4	10	1.660	.140	.47
PD-400-015C-10	1-1/2	10	1.900	.145	.56
PD-400-020C-10	2	10	2.375	.154	.77
PD-400-025C-10	2-1/2	10	2.875	.203	1.20
PD-400-030C-10	3	10	3.500	.216	1.57
PD-400-040C-10	4	10	4.500	.237	2.23
PD-400-050C-10	5	10	5.563	.258	2.87
PD-400-060C-10	6	10	6.625	.280	3.94
PD-400-080C-10	8	10	8.625	.322	5.95
PD-400-100C-10	10	10	10.750	.365	8.53
PD-400-120C-10	12	10	12.750	.406	10.83
PD-400-140C-10	14	10	14	.437	13.26
PD-400-160C-10	16	10	16	.500	18.16
PD-400-180C-10	18	10	18	.562	22.96
PD-400-200C-10	20	10	20	.593	26.46
PD-400-240C-10	24	10	24	.687	38.36

Pipe - CPVC Schedule 40 Plain End

20' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-400-001C	1/8	20	.405	.068	.09
PD-400-002C	1/4	20	.540	.088	.09
PD-400-003C	3/8	20	.675	.091	.12
PD-400-005C	1/2	20	.840	.109	.18
PD-400-007C	3/4	20	1.050	.113	.23
PD-400-010C	1	20	1.315	.133	.35
PD-400-012C	1-1/4	20	1.660	.140	.47
PD-400-015C	1-1/2	20	1.900	.145	.56
PD-400-020C	2	20	2.375	.154	.77

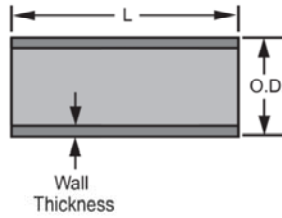
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Pipe - CPVC Schedule 40 Plain End

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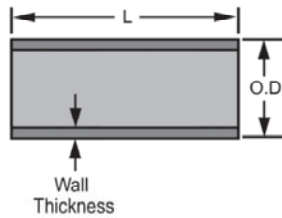
20' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-400-025C	2-1/2	20	2.875	.203	1.20
PD-400-030C	3	20	3.500	.216	1.57
PD-400-040C	4	20	4.500	.237	2.23
PD-400-050C	5	20	5.563	.258	2.87
PD-400-060C	6	20	6.625	.280	3.94
PD-400-080C	8	20	8.625	.322	5.95
PD-400-100C	10	20	10.750	.365	8.53
PD-400-120C	12	20	12.750	.406	10.83
PD-400-140C	14	20	14	.437	13.26
PD-400-160C	16	20	16	.500	18.16
PD-400-180C	18	20	18	.562	22.96
PD-400-200C	20	20	20	.593	26.46
PD-400-240C	24	20	24	.687	37.53

Pipe - CPVC Schedule 80 Plain End

10' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-800-001C-10	1/8	10	.405	.095	.10
PD-800-002C-10	1/4	10	.540	.119	.11
PD-800-003C-10	3/8	10	.675	.126	.16
PD-800-005C-10	1/2	10	.840	.147	.22
PD-800-007C-10	3/4	10	1.050	.154	.30
PD-800-010C-10	1	10	1.315	.179	.44
PD-800-012C-10	1-1/4	10	1.660	.191	.61
PD-800-015C-10	1-1/2	10	1.900	.200	.75
PD-800-020C-10	2	10	2.375	.218	1.03
PD-800-025C-10	2-1/2	10	2.875	.276	1.58
PD-800-030C-10	3	10	3.500	.300	2.12
PD-800-040C-10	4	10	4.500	.337	3.10
PD-800-060C-10	6	10	6.625	.432	5.92
PD-800-080C-10	8	10	8.625	.500	9.04
PD-800-100C-10	10	10	10.750	.593	13.01
PD-800-120C-10	12	10	12.750	.687	18.35
PD-800-140C-10	14	10	14	.750	23.25
PD-800-160C-10	16	10	16	.843	29.89

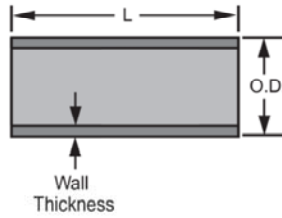


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Pipe - CPVC Schedule 80 Plain End

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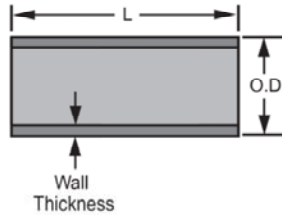
10' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-800-180C-10	18	10	18	.970	35.42
PD-800-200C-10	20	10	20	1.031	45.87
PD-800-240C-10	24	10	24	1.218	64.95

Pipe - CPVC Schedule 80 Plain End

20' Lengths



Part Number	Size	L	AVG.O.D.	Minimum Wall	Approx. Wt. (Lbs./Ft)
PD-800-001C	1/8	20	.405	.095	.10
PD-800-002C	1/4	20	.540	.119	.11
PD-800-003C	3/8	20	.675	.126	.16
PD-800-005C	1/2	20	.840	.147	.22
PD-800-007C	3/4	20	1.050	.154	.30
PD-800-010C	1	20	1.315	.179	.44
PD-800-012C	1-1/4	20	1.660	.191	.61
PD-800-015C	1-1/2	20	1.900	.200	.75
PD-800-020C	2	20	2.375	.218	1.03
PD-800-025C	2-1/2	20	2.875	.276	1.58
PD-800-030C	3	20	3.500	.300	2.12
PD-800-040C	4	20	4.500	.337	3.10
PD-800-050C	5	20	5.563	.375	4.55
PD-800-060C	6	20	6.625	.432	5.92
PD-800-080C	8	20	8.625	.500	9.04
PD-800-100C	10	20	10.750	.593	13.01
PD-800-120C	12	20	12.750	.687	18.35
PD-800-140C	14	20	14	.750	23.25
PD-800-160C	16	20	16	.843	29.89
PD-800-180C	18	20	18	.970	35.42
PD-800-200C	20	20	20	1.031	45.87
PD-800-240C	24	20	24	1.218	64.95



Schedule 80 CPVC Fittings, Unions & Tank Adapters



ENGINEERING GUIDE

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CPVC Performance Engineered and Tested



SPEARS® Schedule 80 CPVC pipe and fitting 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 the very best CPVC piping products available.

1/4" Through 24" Availability

Spears® comprehensive line of CPVC fittings offers a variety of configurations in Schedule 80 sizes 1/4" through 24".

Exceptional Chemical & Corrosion Resistance

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

Higher Temperature Ratings

High Temperature CPVC Thermoplastics can handle fluids at service temperatures up to 200°F, allowing a wide range of process applications, including hot corrosive liquids.

Higher Flow Capacity

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

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.

SPEARS® Schedule 80 14" Through 24" Fittings & Flanges

Schedule 80 CPVC 14" through 24" fittings are a special engineered product by Spears® Manufacturing Company, where no applicable ASTM specifications exist. Available in a variety of injection molded and fabricated configurations including Flanges, Couplings, Elbows, Bushings and Tees, plus custom fabrication to virtually any configuration.

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.

American Bureau of Shipping (ABS) Type Approval

Spears® Schedule 40 and Schedule 80 CPVC pipe and fittings are ABS Type Approved for marine and offshore applications in nominal pipe sizes through 12". Type Approval details and restrictions are specified in ABS Certificate # 10-HS539421-1-PDA available on the ABS website at www.eagle.org.

CPVC Sample Engineering Specifications

All CPVC Schedule 80 fittings shall be produced by Spears® Manufacturing Company from CPVC materials, cell classification 23447 conforming to ASTM Standard D 1784. All injection molded fittings through 12" shall be manufactured in compliance to ASTM F 439 and all pipe through 16" shall be manufactured in compliance to ASTM F 441. Pipe and fittings shall be Certified by NSF International for use with potable water service. All 14" through 24" and fabricated fittings shall be produced in accordance with Spears® Specifications. All CPVC flanges shall be designed and manufactured to meet CL150 bolt pattern per ANSI Standard B16.5.



Schedule 80 CPVC Technical Schedule 80 CPVC Overview

The information contained in this publication is based on current information and product design at the time of publication and is subject to change without notification. Our ongoing commitment to product improvement may result in some variation. No representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or results to be obtained therefrom. For verification of technical data or additional information not contained herein, please contact Spears® Technical Services Department [West Coast: (818) 364-1611 - East Coast: (678) 985-1263].

General Information

Recommendations for Installers and 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 quality solvent cements and primers formulated for the intended service application, pipe size and type of joint. While the pipe and fitting materials may be compatible with the intended medium, the solvent cement may not be. Consult the manufacturers for suitability of use. Read and follow the cement and primer manufacturers' applications and cure time instructions thoroughly. Be sure to use the correct size applicator.

Threaded Connections - Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR PTFE 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 **OVERTIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING.**

Standards and Specifications

Molded Schedule 80 CPVC products are manufactured to ASTM F 439 for use with pipe manufactured to ASTM F 441. Certain products carry reduced pressure handling capability and have maximum internal pressure ratings at 73°F noted.

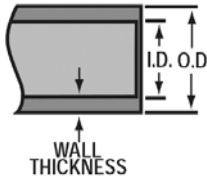
Schedule 80 CPVC fabricated fittings for use with pipe manufactured to ASTM F 441. See publication FAB-7, General Specifications for Standard Fabricated Fittings for additional information.

All specified Schedule 80 CPVC products are manufactured from materials certified by NSF® for use in potable water service.

"Lead Free" low lead certification - unless otherwise specified, all Spears® Schedule 80 fittings specified here-in are certified by NSF International to ANSI/NSF® Standard 61, Annex G and is in compliance with California's Health & Safety Code Section 116825 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content $\leq 0.25\%$. Spears® PVC and CPVC Pipe, Fittings and Valves have always been lead-free and Certified by NSF International for use in potable water systems. Spears® offers a wide range of lead-free specialty fittings and transition adapters for plumbing applications. However, certain brass threaded adapter fittings for applications that are not intended to convey water for human consumption through drinking or cooking are still produced and available.

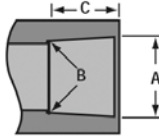
ASTM STANDARD DIMENSIONS

**SCHEDULE 80 PIPE DIMENSIONS
ASTM D 1785**



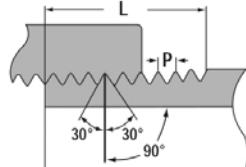
Nominal Pipe Size In.	Mean Outside Diameter In.	O. D. Tolerance In.	Minimum Wall Thickness In.
1/8	0.405	± 0.004	0.095
1/4	0.540	± 0.004	0.119
3/8	0.675	± 0.004	0.126
1/2	0.840	± 0.004	0.147
3/4	1.050	± 0.004	0.154
1	1.315	± 0.005	0.179
1-1/4	1.660	± 0.005	0.191
1-1/2	1.900	± 0.006	0.200
2	2.375	± 0.006	0.218
2-1/2	2.875	± 0.007	0.276
3	3.500	± 0.008	0.300
4	4.500	± 0.009	0.337
5	5.563	± 0.010	0.375
6	6.625	± 0.011	0.432
8	8.625	± 0.015	0.500
10	10.750	± 0.015	0.593
12	12.750	± 0.015	0.687

**SCHEDULE 80 SOCKET DIMENSIONS
ASTM D 2467**



Nominal Size In.	Diameter			Socket Length Minimum C
	Entrance A	Bottom B	Tolerance A	
1/8	0.417	0.401	± 0.004	0.500
1/4	0.552	0.536	± 0.004	0.625
3/8	0.687	0.671	± 0.004	0.750
1/2	0.848	0.836	± 0.004	0.875
3/4	1.058	1.046	± 0.004	1.000
1	1.325	1.310	± 0.005	1.125
1-1/4	1.670	1.655	± 0.005	1.250
1-1/2	1.912	1.894	± 0.006	1.375
2	2.387	2.369	± 0.006	1.500
2-1/2	2.889	2.868	± 0.007	1.750
3	3.516	3.492	± 0.008	1.875
4	4.518	4.491	± 0.009	2.250
5	5.583	5.553	± 0.010	2.625
6	6.647	6.614	± 0.011	3.000
8	8.655	8.610	± 0.015	4.000
10	10.780	10.735	± 0.015	5.000
12	12.780	12.735	± 0.015	6.000
14	14.030	13.985	± 0.015	7.000

**AMERICAN NATIONAL STANDARD
TAPER PIPE THREADS (NPT) ANSI
B1 .20.1 ASTM F 1498**



Nominal Size In.	Threads Per Inch	Effective Thread Length L	Pitch Of Thread P
1/8	27	0.2639	0.03704
1/4	18	0.4018	0.05556
3/8	18	0.4078	0.05556
1/2	14	0.5337	0.07143
3/4	14	0.5457	0.07143
1	11-1/2	0.6828	0.08696
1-1/4	11-1/2	0.7068	0.08696
1-1/2	11-1/2	0.7235	0.08696
2	11-1/2	0.7565	0.08696
2-1/2	8	1.1375	0.12500
3	8	1.2000	0.12500
4	8	1.3000	0.12500
5	8	1.4063	0.12500
6	8	1.5125	0.12500
8	8	1.7125	0.12500

STANDARD COMPARISONS

SPEARS® IPS-to-Metric transition unions are listed by nominal size. The chart below compares nominal and actual* pipe O.D. for each size according to the designated standard.

JIS K6741 (mm)		DIN 8062 (mm)		ASTM D1785 (in.)		NPT-ANSI B1.20.1** Tapered Thread		BSP-BS21, DIN 2999, ISO 7/1 Thread	
Nominal	Actual*	O.D.	Actual*	Nominal	Actual*	Designation	Threads/in.	Designation	Threads/25.4mm
16	22	15	20	1/2	.840	1/2	14	1/2	14
20	26	20	25	3/4	1.050	3/4	14	3/4	14
25	32	25	32	1	1.315	1	11.5	1	11
30	38	38	40	1-1/4	1.660	1-1/4	11.5	1-1/4	11
40	48	40	50	1-1/2	1.900	1-1/2	11.5	1-1/2	11
50	60	50	63	2	2.375	2	11.5	2	11
75	89	80	90	3	3.500	3	8	3	11
100	114	100	110	4	4.500	4	8	4	11

*Specified dimension, certain tolerances apply

**NPT and BSP have different thread angles and not compatible.



Schedule 80 CPVC Technical Schedule 80 CPVC Fittings

Injection Molded Dimension References:

- G** = (LAYING LENGTH) Intersection of center lines to bottom of socket/thread; 90° elbows, tees, crosses; ± 1/32 inch.
- H** = Intersection of center lines to face of fitting; 90° elbows tees, crosses; ± 1/32 inch.
- J** = Intersection of center lines to bottom of socket/thread; 45° elbows; ± 1/32 inch

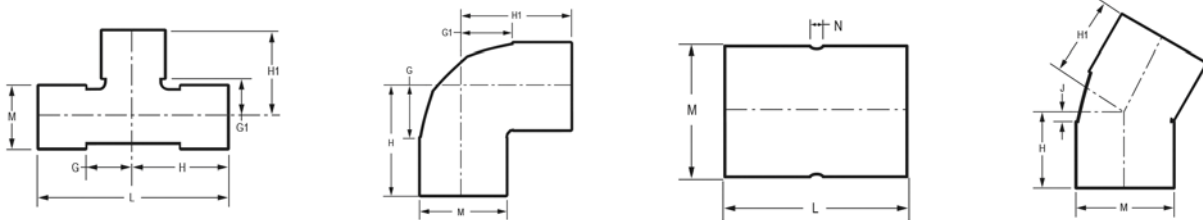
- L** = Overall length of fittings; ± 1/16 inch.
- M** = Outside diameter of socket/thread hub; ± 1/16 inch.
- N** = Socket bottom to socket bottom; couplings; ± 1/16 inch.
- W** = Height of cap; ± 1/16 inch.

Fabricated Dimension References:

- G** = (LAYING LENGTH) Intersection of center lines to bottom of socket/thread; 90° elbows, tees, crosses; ± 1/4 inch; 14" & larger ± 1/2 inch.
- H** = Intersection of center lines to face of fitting; 90° elbows ± 1/4 inch, 14" & larger ± 3/4 inch; wyes ± 1/2 inch; tees, crosses ± 1/4 inch; 14" larger ± 1/2 inch.
- J** = Intersection of center lines to bottom of socket/thread; 45° elbows; ± 1/4 inch; 14" & larger ± 1/2 inch.

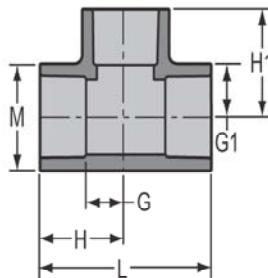
- L** = Overall length of fittings; ± 1/2 inch.; wyes ± 1 inch; 14" & larger ± 1 inch.
- M** = Outside diameter of socket/thread hub; ± 1/4 inch.
- N** = Socket bottom to socket bottom; couplings; ± 1/2 inch.
- W** = Height of cap; ± 1/4 inch.

Typical Fabricated Dimension References



Tee

Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-002C	1/4	11/32	11/32	31/32	31/32	1-31/32	27/32	.03
801-003C	3/8	15/32	15/32	1- 1/4	1- 1/4	2- 1/2	31/32	.06
801-005C	1/2	19/32	19/32	1-15/32	1-15/32	2-15/16	1-3/16	.11
801-007C	3/4	11/16	11/16	1-11/16	1-11/16	3- 3/8	1-13/32	.16
801-010C	1	27/32	27/32	2	2	4	1-23/32	.29
801-012C	1-1/4	1-1/32	1-1/32	2-9/32	2-9/32	4-9/16	2-3/32	.39
801-015C	1-1/2	1-3/16	1-3/16	2-9/16	2-9/16	5-1/8	2-3/8	.53
801-020C	2	1-7/16	1-7/16	2-15/16	2-15/16	5-7/8	2-7/8	.86
801-025C	2-1/2	1-23/32	1-23/32	3-1/2	3-1/2	7-1/32	3-1/2	1.68
801-030C	3	2-1/16	2-1/16	3-31/32	3-31/32	7-15/16	4-5/32	2.56
801-040C	4	2-15/32	2-15/32	4-3/4	4-3/4	9-15/32	5-1/4	3.71
801-050C	5	3- 5/32	3- 5/32	5-13/16	5-13/16	11-5/8	6-13/32	6.20
801-050CF*	5	5-1/2	5-1/2	8-1/2	8-1/2	17	6-5/16	9.85
801-060C	6	4-1/16	4-1/16	7-1/8	7-1/8	14-1/4	7-19/32	12.18
801-080C	8	4-7/8	4-7/8	8-7/8	8-7/8	17-23/32	9-23/32	21.58
801-080CF*	8	7-5/8	7-5/8	11-7/8	11-7/8	23-3/4	9-5/8	26.28

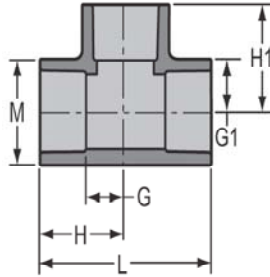
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Tee

Socket x Socket x Socket

(Continued)

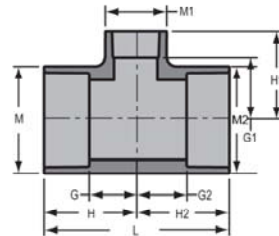


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-100C	10	5-29/32	5-29/32	10-29/32	10-29/32	21-29/32	12-3/16	38.18
801-100CF*	10	9	9	14- 1/4	14- 1/4	28- 1/2	11-15/16	43.27
801-120C	12	6-31/32	6-31/32	12-31/32	12-31/32	25-11/16	14-1/4	55.92
801-120CF*	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	14- 1/8	72.57
801-140C	14	7- 1/16	7- 1/16	14-1/16	14-1/16	28-1/8	15-3/8	66.40
801-140CF*	14	12- 1/4	12- 1/4	19- 1/4	19- 1/4	38- 1/2	15- 1/2	102.20
801-160CF*	16	13	13	21	21	42	17-11/16	143.98
801-180CF*	18	13- 3/4	13- 3/4	22- 3/4	22- 3/4	45- 1/2	19- 7/8	187.57
801-200CF*	20	16- 3/8	16- 3/8	26- 3/8	26- 3/8	52- 3/4	22- 1/16	270.59
801-240CF*	24	20- 1/4	20- 1/4	32- 1/4	32- 1/4	64- 1/2	26- 7/16	453.00

* Fabricated

Tee - Reducing

Socket x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-101C	3/4X1/2	19/32	11/16	19/32	1-19/32	1-9/16	1-19/32	3-3/16	1-13/32	1-3/16	1-13/32	.14
801-130C	1X1/2	19/32	7/8	19/32	1-23/32	1-3/4	1-23/32	3-7/16	1-3/4	1-3/16	1-3/4	.20
801-131C	1X3/4	11/16	27/32	11/16	1-27/32	1-27/32	1-27/32	3-11/16	1- 3/4	1-13/32	1-3/4	.24
801-157C	1-1/4X1X3/4	11/16	1-1/16	11/16	1-7/8	2-1/16	1-15/16	3-3/4	2-3/32	1-13/32	1-23/32	.32
801-158C	1-1/4X1X1	7/8	27/32	25/32	2- 1/8	1-31/32	1-15/16	4	2-1/8	1-3/4	1-3/4	.32
801-159C	1-1/4X1X1-1/4	15/16	15/16	15/16	2-7/32	2-7/32	2-3/32	4- 5/16	2-3/32	2-3/32	1-23/32	.40
801-166C ¹	1-1/4X1/2	5/8	1-5/16	5/8	1-15/16	2-7/32	1-15/16	3-7/8	2-3/32	1-13/32	2-3/32	.32
801-167C	1-1/4X3/4	5/8	31/32	5/8	1-15/16	1-31/32	1-15/16	3- 7/8	2-3/32	1-13/32	2-3/32	.29
801-168C	1-1/4X1	27/32	1- 1/32	27/32	2- 3/32	2- 5/32	2- 3/32	4- 7/32	2- 3/32	1- 3/4	2- 3/32	.35
801-202C	1-1/2X1-1/4X1	27/32	1-1/32	27/32	2- 1/4	2-5/32	2- 1/4	4- 1/2	2-11/32	1-23/32	2-11/16	.42
801-209C	1-1/2X1/2	19/32	1-3/32	19/32	1-31/32	1-31/32	1-31/32	3-15/16	2- 3/8	1- 3/16	2- 3/8	.36
801-210C	1-1/2X3/4	11/16	1- 1/32	11/16	2- 1/16	2- 1/32	2-3/32	4-3/16	2-11/32	1-13/32	2- 11/32	.40
801-211C	1-1/2X1	27/32	1- 5/32	27/32	2-1/4	2- 5/16	2-1/4	4-1/2	2-11/32	1- 3/4	2- 11/32	.43
801-212C	1-1/2X1-1/4	1- 3/16	1-1/32	1- 3/16	2- 9/16	2-9/32	2- 9/16	5- 1/8	2-11/32	2-3/32	2-11/32	.57
801-247C	2X1/2	9/16	1-13/32	9/16	2- 3/32	2- 9/32	2- 3/32	4- 3/16	2-27/32	1- 5/32	2-27/32	.45
801-248C	2X3/4	11/16	1-13/32	11/16	2- 3/16	2-13/32	2- 3/16	4- 3/8	2-27/32	1- 3/8	2- 27/32	.51
801-249C	2X1	27/32	1- 7/16	27/32	2-11/32	2- 9/16	2-11/32	4-23/32	2- 7/8	1- 3/4	2- 7/8	.57
801-250C	2X1-1/4	1-1/32	1-11/32	1-1/32	2-9/16	2-19/32	2-9/16	5-3/32	2-27/32	2-3/32	2- 27/32	.65
801-251C	2X1-1/2	1-3/16	1-11/32	1-3/16	2-11/16	2-27/32	2-11/16	5- 3/8	2-7/8	2-3/8	2- 7/8	.79

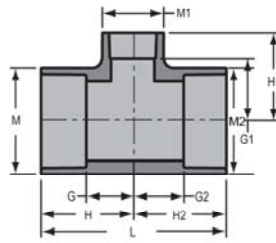


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Tee - Reducing

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-254C ¹	2X2X4	3-21/32	2-15/32	3-21/32	5- 3/16	4-3/4	5- 3/16	10-11/32	5- 1/4	5- 1/4	5- 1/4	5.92
801-287C	2-1/2X1/2	19/32	1-19/32	19/32	2-3/8	2-15/32	2-3/8	4-23/32	3-1/2	1-3/16	3-1/2	.78
801-288C	2-1/2X3/4	21/32	1-1/2	21/32	2-7/16	2-17/32	2-7/16	4-27/32	3-15/32	1-13/32	3-15/32	.83
801-289C	2-1/2X1	7/8	1-11/16	7/8	2-5/8	2-13/16	2-5/8	5-1/4	3-1/2	1-23/32	3-1/2	1.03
801-290C	2-1/2X1-1/4	1-1/32	1-23/32	1-1/32	2-27/32	2-31/32	2-27/32	5-11/16	3-1/2	2-3/32	3-1/2	1.16
801-291C	2-1/2X1-1/2	1-3/16	1-3/4	1-3/16	2-15/16	3- 1/8	2-15/16	5-7/8	3-1/2	2-11/32	3-1/2	1.27
801-292C	2-1/2X2	1-13/32	1-5/8	1-13/32	3-3/16	3-1/8	3-3/16	6-3/8	3-1/2	2-7/8	3-1/2	1.34
801-333C ¹	3X1/2	27/32	2-7/16	27/32	2-3/4	3-11/32	2-3/4	5-1/2	4- 3/16	1-3/4	4-3/16	1.35
801-334C ¹	3X3/4	11/16	2-1/16	11/16	2-19/32	3-3/32	2-19/32	5-3/16	4-3/16	1-13/32	4-3/16	1.20
801-335C	3X3X1	27/32	1-31/32	27/32	2-3/4	3-1/8	2-3/4	5-1/2	4-3/16	1-3/4	4-3/16	1.28
801-336C ¹	3X1-1/4	1-3/8	2-1/4	1-3/8	3-5/16	3-17/32	3-5/16	6-5/8	4-3/16	2-7/8	4-3/16	1.93
801-337C	3X3X1-1/2	1-5/32	2-1/16	1-5/32	3-1/16	3-7/16	3-1/16	6-1/8	4-3/16	2-3/8	4-3/16	1.49
801-338C	3X2	1-7/16	1-13/16	1-7/16	3-5/16	3-5/16	3-5/16	6-5/8	4-3/16	2-7/8	4-3/16	1.73
801-339C	3X2-1/2	1-3/4	1-15/16	1-3/4	3-5/8	3-11/16	3-5/8	7-1/4	4-3/16	3-1/2	4-3/16	2.11
801-415C ¹	4X1/2	7/8	3-1/8	7/8	3-1/8	4-1/32	3-1/8	7-11/32	5-1/4	1-3/4	5-1/4	2.06
801-416C ¹	4X3/4	7/8	3-1/8	7/8	3-1/8	4-1/8	3-1/8	6-1/4	5-1/4	1-3/4	5-1/4	2.02
801-417C	4X1	7/8	2-5/8	7/8	3-1/8	3-3/4	3-1/8	6-1/4	5-1/4	1-3/4	5-1/4	1.99
801-418C ¹	4X1-1/4	1-1/8	2-13/16	1-1/8	3-3/8	4-7/32	3-3/8	6-3/4	5-1/4	2-3/8	5-1/4	2.27
801-419C	4X1-1/2	1-1/8	2-9/16	1-1/8	3-3/8	3-15/16	3-3/8	6-3/4	5-1/4	2-3/8	5-1/4	2.20
801-420C	4X2	1-7/16	2-7/16	1-7/16	3-11/16	3-15/16	3-11/16	7-3/8	5-1/4	2-7/8	5-1/4	2.46
801-421C ¹	4X2-1/2	2-1/8	2-29/32	2-1/8	4-3/8	5	4-3/8	8-3/4	5-1/4	4-3/16	5-1/4	3.48
801-422C	4X3	2-1/8	2-13/16	2-1/8	4-3/8	4-19/32	4-3/8	8-3/4	5-1/4	4-3/16	5-1/4	3.07
801-486C ¹	5X2	3- 5/32	5-1/16	3- 5/32	5-13/16	6-9/16	5-13/16	11-19/32	6-13/32	6-13/32	6- 13/32	8.66
801-486CF ⁺	5X2	4-5/16	4-3/4	4-5/16	7-5/16	6-1/2	7-5/16	14-5/8	6-5/16	2-13/16	6-5/16	5.94
801-487CF ⁺	5X2-1/2	4	4-15/16	4	7	6-15/16	7	14	6-5/16	3-7/16	6-5/16	6.27
801-488C ¹	5X3	3- 5/32	4- 5/8	3- 5/32	5-13/32	6- 1/2	5-13/32	11-19/32	6-13/32	6-13/32	6- 13/32	8.42
801-490C ¹	5X4	3- 5/32	3-29/32	3- 5/32	5-13/16	6- 5/32	5-13/16	11- 5/8	6-13/32	6-13/32	6- 13/32	7.56
801-490CF ⁺	5X4	4-7/8	6-5/16	4-7/8	8-3/8	8-9/16	8-3/8	16-3/4	6-5/16	5-3/16	6-5/16	9.97
801-523C ¹	6X1/2	7/8	4-3/16	7/8	3-7/8	5-3/32	3-7/8	7-3/4	7-9/16	1-23/32	7-9/16	4.50
801-524C ¹	6X3/4	7/8	3-31/32	7/8	3-7/8	5	3-7/8	7-3/4	7-9/16	1-23/32	7- 9/16	4.47
801-525C	6X1	7/8	3-23/32	7/8	3-7/8	4-27/32	3-7/8	7-3/4	7-9/16	1-23/32	7-9/16	4.43
801-526C ¹	6X1-1/4	1-7/16	4-3/16	1-7/16	4-7/16	5-15/32	4-7/16	8-7/8	7-9/16	2-7/8	7-9/16	5.59
801-527C ¹	6X1-1/2	1-7/16	4-3/32	1-7/16	4-7/16	5-1/2	4-7/16	8-7/8	7-19/32	2-7/8	7-19/32	5.54
801-528C	6X2	1-7/16	3-3/4	1-7/16	4-7/16	5-1/4	4-7/16	8-7/8	7-9/16	2-7/8	7-9/16	5.39
801-528CF ⁺	6X2	4-5/8	5-3/16	4-5/8	7-7/8	6-15/16	7-7/8	15-3/4	7-1/2	2-13/16	7-1/2	9.14
801-529C ¹	6X2-1/2	2-1/16	4-3/16	2-1/16	5-5/32	6	5-5/32	10-3/16	7-9/16	4-3/16	7-9/16	7.11
801-529CF ⁺	6X2-1/2	4-13/16	5-3/8	4-13/16	8-1/16	7-3/8	8-1/16	16-1/8	7-1/2	3-7/16	7-1/2	9.25
801-530C ¹	6X3	2-1/16	3-3/4	2-1/16	5-3/32	5-5/8	5-3/32	10-3/16	7-9/16	5-1/4	7-9/16	6.70
801-530CF ⁺	6X3	4- 3/4	5- 3/4	4- 3/4	8	8	8	16	7- 1/2	4- 1/8	7- 1/2	10.00
801-532C	6X4	2-11/16	3-13/16	2-11/16	5-11/16	6-1/16	5-11/16	11-3/8	7-9/16	5-1/4	7-9/16	7.54
801-575C ¹	8X1	2-5/8	6-1/2	2-5/8	6-5/8	7-5/8	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	13.58

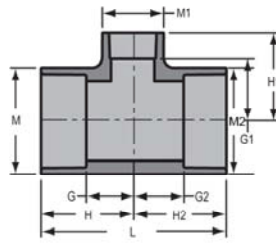
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Tee - Reducing

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-575CF ⁺	8X1	4-1/8	6-1/16	4-1/8	8-3/8	7-5/16	8-3/8	16-3/4	9-5/8	1-11/16	9-5/8	13.19
801-576CF ⁺	8X1-1/4	4-1/4	6-1/16	4-1/4	8-1/2	7-9/16	8-1/2	17	9-5/8	2-1/16	9-5/8	13.83
801-578C ¹	8X2	2-5/8	6	2-5/8	6-5/8	7-1/2	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	13.47
801-578CF ⁺	8X2	4-11/16	6-1/8	4-11/16	8-15/16	7-7/8	8-15/16	17-7/8	9-5/8	2-13/16	9-5/8	14.64
801-579CF ⁺	8X2-1/2	4-7/8	6-5/16	4-7/8	9-1/8	8-5/16	9-1/8	18-1/4	9-5/8	3-7/16	9-5/8	14.84
801-580C ¹	8X3	2-5/8	5-21/32	2-5/8	6-5/8	7-17/32	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	13.23
801-580CF ⁺	8X3	5-3/16	6-11/16	5-3/16	9-7/16	8-15/16	9-7/16	18-7/8	9-5/8	4-1/8	9-5/8	15.44
801-582C ¹	8X4	2-5/8	4-7/8	2-5/8	6-5/8	7-1/8	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	12.37
801-582CF ⁺	8X4	5-3/4	7-11/16	5-3/4	10	9-15/16	10	20	9-5/8	5-3/16	9-5/8	17.51
801-585C	8X6	3-7/8	4-15/16	3-7/8	7-29/32	8	7-29/32	15-13/16	9-23/32	7-9/16	9-23/32	15.60
801-618CF ⁺	10X1	4-1/2	7-1/16	4-1/2	9-3/4	8-5/16	9-3/4	19-1/2	11-15/16	1-11/16	11-15/16	23.76
801-619CF ⁺	10X1-1/4	4-1/4	7	4-1/4	9-1/2	8-9/16	9-1/2	19	11-15/16	2-1/16	11-15/16	23.03
801-621CF ⁺	10X2	4-3/8	7-1/8	4-3/8	9-5/8	8-7/8	9-5/8	19-1/4	11-15/16	2-13/16	11-15/16	23.87
801-622CF ⁺	10X2-1/2	5-1/4	7-5/16	5-1/4	10-1/2	9-5/16	10-1/2	21	11-15/16	3-7/16	11-15/16	25.70
801-623C ¹	10X3	3-25/32	7-1/2	3-25/32	9-3/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	12-1/16	28.55
801-623CF ⁺	10X3	4-7/8	7-11/16	4-7/8	10-1/8	9-15/16	10-1/8	20-1/4	11-15/16	4-1/8	11-15/16	23.85
801-624C ¹	10X4	3-25/32	7-1/8	3-25/32	9-3/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	12-1/16	28.40
801-624CF ⁺	10X4	5-3/8	8-11/16	5-3/8	10-5/8	10-15/16	10-5/8	21-1/4	11-15/16	5-3/16	11-15/16	26.65
801-626C	10X6	3-7/8	5-13/16	3-7/8	9-3/8	8-27/32	9-3/8	18-3/4	12-1/16	7-9/16	12-1/16	25.50
801-626CF ⁺	10X6	5-7/8	9-1/16	5-7/8	11-1/8	12-5/16	11-1/8	22-1/4	11-15/16	7-1/2	11-15/16	30.18
801-628C ¹	10X8	5-27/32	7-7/32	5-27/32	10-29/32	11-7/32	10-29/32	21-13/16	12-1/8	12-1/8	12-1/8	48.73
801-628CF ⁺	10X8	8-1/4	9-15/16	8-1/4	13-1/2	14-3/16	13-1/2	27	11-15/16	9-5/8	11-15/16	38.10
801-661CF ⁺	12X2	4-3/4	8	4-3/4	11	9-3/4	11	22	14-1/8	2-13/16	14-1/8	37.00
801-663CF ⁺	12X3	5-1/4	8-9/16	5-1/4	11-1/2	10-13/16	11-1/2	23	14-1/8	4-1/8	14-1/8	37.44
801-664C ¹	12X4	4-7/8	9-3/8	4-7/8	11-15/32	11-5/8	11-15/32	22-29/32	14-1/4	9-3/4	14-1/4	50.14
801-664CF ⁺	12X4	5-3/4	9-9/16	5-3/4	12	11-13/16	12	24	14-1/8	5-3/16	14-1/8	42.27
801-666CF ⁺	12X6	7-1/4	9-15/16	7-1/4	13-1/4	13-3/16	13-1/4	26-1/2	14-1/8	7-1/2	14-1/8	47.04
801-668C	12X8	4-7/8	7-1/8	4-7/8	11-15/32	11-5/32	11-15/32	22-29/32	14-1/4	9-3/4	14-1/4	44.00
801-668CF ⁺	12X8	8	10-13/16	8	14-1/4	15-1/16	14-1/4	28-1/2	14-1/8	9-5/8	14-1/8	52.66
801-670CF ⁺	12X10	10-1/4	10-13/16	10-1/4	16-1/2	16-1/16	16-1/2	33	14-1/8	11-15/16	14-1/8	62.18
801-691CF ⁺	14X2	5-3/16	8-9/16	5-3/16	12-3/16	10-5/16	12-3/16	24-3/8	15-1/2	2-13/16	15-1/2	49.11
801-692CF ⁺	14X2-1/2	5-7/16	8-3/4	5-7/16	12-7/16	10-3/4	12-7/16	24-7/8	15-1/2	3-7/16	15-1/2	55.06
801-693CF ⁺	14X3	5-3/4	9-1/8	5-3/4	12-3/4	11-3/8	12-3/4	25-1/2	15-1/2	4-1/8	15-1/2	52.55
801-694CF ⁺	14X4	6-1/2	10-1/8	6-1/2	13-1/2	12-3/8	13-1/2	27	15-1/2	5-3/16	15-1/2	54.07
801-696CF ⁺	14X6	8-1/4	10-1/2	8-1/4	15-1/4	13-3/4	15-1/4	30-1/2	15-1/2	7-1/2	15-1/2	64.29
801-698CF ⁺	14X8	9-1/4	11-3/8	9-1/4	16-1/4	15-5/8	16-1/4	32-1/2	15-1/2	9-5/8	15-1/2	71.38
801-700CF ⁺	14X10	10-1/8	11-3/8	10-1/8	17-1/8	16-5/8	17-1/8	34-1/4	15-1/2	11-15/16	15-1/2	80.46
801-702C	14X12	7-1/32	7-13/32	7-1/32	14-1/32	13-13/32	14-1/32	28-1/16	15-21/32	14-9/32	15-21/32	65.48
801-702CF ⁺	14X12	11	11-3/8	11	18	17-5/8	18	36	15-1/2	14-1/8	15-1/2	88.28
801-751CF ⁺	16X2	5-7/8	9-1/2	5-7/8	13-7/8	11-1/4	13-7/8	27-3/4	17-11/16	2-13/16	17-11/16	72.48

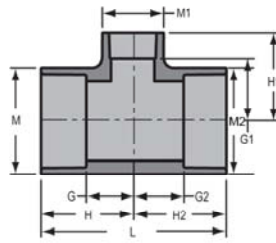


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Tee - Reducing

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-752CF ¹	16X2-1/2	6	9-11/16	6	14	11-11/16	14	28	17-11/16	3-7/16	17-11/16	65.12
801-753CF ¹	16X3	6-5/16	10-1/16	6-5/16	14-5/16	12-5/16	14-5/16	28-5/8	17-11/16	4-1/8	17-11/16	76.03
801-754CF ¹	16X4	6-1/8	11-1/16	6-1/8	14-1/8	13-5/16	14-1/8	28-1/4	17-11/16	5-3/16	17-11/16	79.03
801-756CF ¹	16X6	8-5/8	11-7/16	8-5/8	16-5/8	14-11/16	16-5/8	33-1/4	17-11/16	7-1/2	17-11/16	89.59
801-758CF ¹	16X8	9-5/8	12-5/16	9-5/8	17-5/8	16-9/16	17-5/8	35-1/4	17-11/16	9-5/8	17-11/16	98.00
801-760CF ¹	16X10	10-5/8	12-5/16	10-5/8	18-5/8	17-9/16	18-5/8	37-1/4	17-11/16	11-15/16	17-11/16	103.61
801-762CF ¹	16X12	11-5/8	12-5/16	11-5/8	19-5/8	18-9/16	19-5/8	39-1/4	17-11/16	14-1/8	17-11/16	115.74
801-764CF ¹	16X14	12-3/4	12-11/16	12-3/4	20-3/4	19-11/16	20-3/4	41-1/2	17-11/16	15-1/2	17-11/16	127.09
801-783CF ¹	18X3	6-3/8	10-15/16	6-3/8	15-3/8	13-3/16	15-3/8	30-3/4	19-7/8	4-1/8	19-7/8	101.41
801-784CF ¹	18X4	6-7/8	11-15/16	6-7/8	15-7/8	14-3/16	15-7/8	31-3/4	19-7/8	5-3/16	19-7/8	105.12
801-786CF ¹	18X6	8-1/2	12-5/16	8-1/2	17-1/2	15-9/16	17-1/2	35	19-7/8	7-1/2	19-7/8	116.61
801-788CF ¹	18X8	9-1/2	13-3/16	9-1/2	18-1/2	17-7/16	18-1/2	37	19-7/8	9-5/8	19-7/8	127.49
801-790CF ¹	18X10	10-1/2	13-3/16	10-1/2	19-1/2	18-7/16	19-1/2	39	19-7/8	11-15/16	19-7/8	138.58
801-792CF ¹	18X12	11-1/2	13-3/16	11-1/2	20-1/2	19-7/16	20-1/2	41	19-7/8	14-1/8	19-7/8	159.38
801-794CF ¹	18X14	12-3/4	13-9/16	12-3/4	21-3/4	20-9/16	21-3/4	43-1/2	19-7/8	15-1/2	19-7/8	154.48
801-796CF ¹	18X16	13-1/2	14-3/16	13-1/2	22-1/2	22-3/16	22-1/2	45	19-7/8	17-11/16	19-7/8	172.46
801-814CF ¹	20X4	7-11/16	12-7/8	7-11/16	17-11/16	15-1/8	17-11/16	35-3/8	22-1/16	5-3/16	22-1/16	144.71
801-816CF ¹	20X6	8-7/8	13-1/4	8-7/8	18-7/8	16-1/2	18-7/8	37-3/4	22-1/16	7-1/2	22-1/16	161.20
801-818CF ¹	20X8	9-7/8	14-1/8	9-7/8	19-7/8	18-3/8	19-7/8	39-3/4	22-1/16	9-5/8	22-1/16	172.69
801-820CF ¹	20X10	10-7/8	14-1/8	10-7/8	20-7/8	19-3/8	20-7/8	41-3/4	22-1/16	11-15/16	22-1/16	163.27
801-822CF ¹	20X12	11-7/8	14-1/8	11-7/8	21-7/8	20-3/8	21-7/8	43-3/4	22-1/16	14-1/8	22-1/16	199.57
801-824CF ¹	20X14	12-7/8	14-1/2	12-7/8	22-7/8	21-1/2	22-7/8	45-3/4	22-1/16	15-1/2	22-1/16	190.94
801-826CF ¹	20X16	14	15-1/8	14	24	23-1/8	24	48	22-1/16	17-11/16	22-1/16	210.27
801-828CF ¹	20X18	15	15	15	25	24	25	50	22-1/16	19-7/8	22-1/16	226.80
801-904CF ¹	24X4	9	14-11/16	9	21	16-15/16	21	42	26-7/16	5-3/16	26-7/16	250.81
801-906CF ¹	24X6	9-1/4	15-1/16	9-1/4	21-1/4	18-5/16	21-1/4	42-1/2	26-7/16	7-1/2	26-7/16	253.45
801-908CF ¹	24X8	10-1/4	15-15/16	10-1/4	22-1/4	20-3/16	22-1/4	44-1/2	26-7/16	9-5/8	26-7/16	247.99
801-910CF ¹	24X10	11-1/4	15-15/16	11-1/4	23-1/4	21-3/16	23-1/4	46-1/2	26-7/16	11-15/16	26-7/16	255.59
801-912CF ¹	24X12	12-1/4	15-15/16	12-1/4	24-1/4	22-3/16	24-1/4	48-1/2	26-7/16	14-1/8	26-7/16	301.36
801-914CF ¹	24X14	13-1/4	16-5/16	13-1/4	25-1/4	23-5/16	25-1/4	50-1/2	26-7/16	15-1/2	26-7/16	282.42
801-916CF ¹	24X16	14-3/4	16-15/16	14-3/4	26-3/4	24-15/16	26-3/4	53-1/2	26-7/16	17-11/16	26-7/16	306.68
801-918CF ¹	24X18	15-3/4	16-13/16	15-3/4	27-3/4	25-13/16	27-3/4	55-1/2	26-7/16	19-7/8	26-7/16	246.78
801-920CF ¹	24X20	16-3/4	18-3/16	16-3/4	28-3/4	28-3/16	28-3/4	57-1/2	26-7/16	22-1/16	26-7/16	351.59

¹ Sized with Bushing

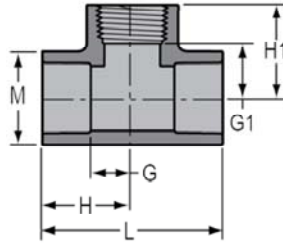
* Fabricated

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Tee

Socket x Socket x Fipt

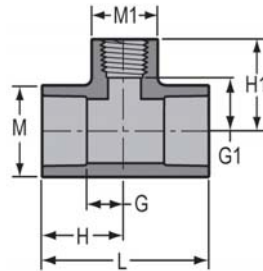


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
802-002C	1/4	5/16	3/8	15/16	15/16	1-29/32	7/8	.05
802-005C	1/2	9/16	21/32	1-15/32	1-11/32	2-15/16	1-7/32	.12
802-007C	3/4	19/32	21/32	1-19/32	1-3/8	3-3/16	1-3/8	.14
802-010C	1	5/8	3/4	1-25/32	1-5/8	3-19/32	1-3/4	.23
802-012C	1-1/4	13/16	1	2-3/32	1-31/32	4-3/16	2-3/32	.35
802-015C	1-1/2	1-5/16	1-7/32	2-11/32	2-5/32	4-11/16	2-11/32	.51
802-020C	2	1-5/16	1-7/16	2-13/16	2-7/16	5-21/32	2-27/32	.80
802-025C	2-1/2	2-9/32	2-25/32	4-11/32	4-3/8	8-11/16	4-3/16	3.88
802-030C	3	1-31/32	2-1/8	3-3/4	3-17/32	7-15/32	4-1/4	2.35
802-040C	4	2-1/2	2-21/32	4-5/8	4-5/32	9-7/32	5-9/32	3.49
802-060CF [†]	6	4-1/8	9	7-1/8	10-1/2	14-1/4	7-5/8	15.08
802-080CF [†]	8	4-13/16	10-13/16	8-13/16	12-9/16	17-11/16	9-11/16	28.31

[†] Fabricated

Tee - Reducing

Socket x Socket x Fipt



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-101C	3/4X1/2	19/32	23/32	1-19/32	1-7/16	3-7/32	1-13/32	1-3/16	.14
802-130C	1X1/2	7/16	29/32	1-9/16	1-5/8	3-1/8	1-23/32	1-3/16	.19
802-131C	1X3/4	21/32	13/16	1-13/16	1-17/32	3-5/8	1-23/32	1-3/8	.24
802-166C	1-1/4X1/2	7/16	1-1/8	1-11/16	1-27/32	3-3/8	2-3/32	1-3/16	.26
802-167C ¹	1-1/4X3/4	27/32	1-23/32	2-1/8	2-7/16	4-7/32	2-3/32	1-3/4	.41
802-168C	1-1/4X1	27/32	1-1/32	2-3/32	1-29/32	4-7/32	2-3/32	1-11/16	.34
802-209C ¹	1-1/2X1/2	1/2	1-1/4	1-7/8	1-31/32	3-3/4	2-11/32	1-3/16	.33
802-210C ¹	1-1/2X3/4	27/32	1-13/16	2-1/4	2-9/16	4-1/2	2-11/32	1-3/16	.49
802-211C ¹	1-1/2X1	27/32	1-7/32	2-1/4	2-3/32	4-15/32	2-11/32	1-11/16	.66
802-212C	1-1/2X1-1/4	1-1/32	1-5/32	2-7/16	2-3/32	4-7/8	2-3/8	2-1/16	.48
802-247C	2X1/2	1/2	1-17/32	2	2-7/32	4	2-27/32	1-3/16	.47
802-248C	2X3/4	5/8	1-3/8	2-1/8	2-1/8	4-1/4	2-7/8	1-3/8	.48
802-249C	2X1	27/32	1-13/32	2-11/32	2-5/16	4-11/16	2-7/8	1-11/16	.56
802-250C ¹	2X1-1/4	1-3/16	2-1/8	2-11/16	3-1/8	5-3/8	2-7/8	2-13/32	.90
802-251C ¹	2X1-1/2	1-7/16	2-3/8	2-15/16	3-1/8	5-7/8	2-7/8	2-7/8	1.06
802-287C	2-1/2X1/2	17/32	1-3/4	2-5/16	2-1/2	4-5/8	3-1/2	1-3/16	.78
802-288C ¹	2-1/2X3/4	27/32	2-7/16	2-5/8	3-5/32	5-1/4	3-1/2	1-23/32	1.09

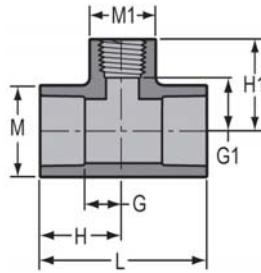


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Tee - Reducing

Socket x Socket x Fipt

(Continued)



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-289C ¹	2-1/2X1	1-1/32	2-11/32	2-27/32	3- 1/4	5-11/16	3- 1/2	2-3/32	1.25
802-290C ¹	2-1/2X1-1/4	1- 3/16	2-7/16	2-31/32	3-7/16	5-15/16	3-9/16	2- 3/8	1.37
802-291C ¹	2-1/2X1-1/2	1- 7/16	2-9/16	3- 3/16	3-5/16	6- 3/8	3- 1/2	2- 7/8	1.54
802-292C ¹	2-1/2X2	1- 3/4	2-27/32	3- 1/2	3-27/32	7	3-15/32	3-15/32	1.95
802-333C ¹	3X1/2	7/8	2-19/32	2- 3/4	3-11/32	5- 1/2	4-3/16	1-3/4	1.34
802-334C ¹	3X3/4	7/8	2-21/32	2- 3/4	3-13/32	5- 1/2	4- 3/16	1- 3/4	1.34
802-335C ¹	3X1	1- 3/16	2-29/32	3- 1/16	3-13/16	6- 1/8	4-3/16	2-3/8	1.65
802-336C ¹	3X1-1/4	1-5/32	2-23/32	3-1/32	3-21/32	6-1/16	4-3/16	2-3/8	1.59
802-337C ¹	3X1-1/2	1- 7/16	2-3/4	3- 5/16	3-3/4	6- 5/8	4-3/16	2-7/8	1.93
802-338C ¹	3X2	2- 3/32	3-11/32	3-31/32	4-5/16	7-15/16	4-3/16	4-3/16	3.14
802-339C ¹	3X2-1/2	2- 3/32	3	3-31/32	4-1/2	7-15/16	4-3/16	4-3/16	3.07
802-415C ¹	4X1/2	7/8	3-5/16	3-1/8	4-11/32	6-1/4	5- 1/4	1-3/4	2.05
802-416C ¹	4X3/4	7/8	3-9/32	3-1/8	4-1/32	6-1/4	5- 1/4	1-3/4	2.05
802-417C ¹	4X1	1-1/8	3-3/8	3-3/8	4-9/32	6-3/4	5- 1/4	2-11/32	2.36
802-418C ¹	4X1-1/4	1-1/8	3-3/16	3-3/8	4-1/8	6-3/4	5-1/4	2-3/8	2.30
802-419C ¹	4X1-1/2	1-7/16	3-3/8	3-11/16	4-11/32	7- 3/8	5- 1/4	2- 7/8	2.66
802-420C ¹	4X2	2- 1/8	4-1/16	4- 3/8	5- 1/32	8-25/32	5- 1/4	4- 3/16	3.64
802-421C ¹	4X2-1/2	2- 1/8	3-1/2	4- 3/8	5	8-25/32	5- 1/4	4- 3/16	3.57
802-422C ¹	4X3	2-1/2	3-9/16	4-3/4	5-3/16	9-1/2	5- 1/4	5- 1/4	4.56
802-525C ¹	6X1	1-13/32	4-3/4	4-7/16	5-11/16	8-7/8	7-9/16	2-7/8	5.66
802-526C ¹	6X1-1/4	1-7/16	4-17/32	4-17/32	5-15/32	8-7/8	7-9/16	2-7/8	5.64
802-527C ¹	6X1-1/2	1-7/16	4-17/32	4-7/16	5-15/32	8-7/8	7-9/16	2-7/8	5.59
802-528C ¹	6X2	2-1/16	4-3/32	5-3/32	5-3/32	10-3/16	7-9/16	4-3/16	7.28
802-529C ¹	6X2-1/2	2- 1/16	4-21/32	5- 3/32	6- 3/16	10- 5/32	7-19/32	4- 1/4	7.21
802-530C ¹	6X3	2-11/16	4-15/16	5-23/32	6-15/32	11-7/16	7-9/32	5- 1/4	8.39
802-623C ¹	10X3	3-25/32	7-31/32	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	28.64
802-532C ¹	6X4	3-25/32	5-13/16	6-13/16	7-5/16	13-5/8	7-9/16	7-9/16	14.98
802-624C ¹	10X4	3-25/32	7-7/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	28.29
802-661C ¹	12X2	4-7/8	11-1/16	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	52.13
802-663C ¹	12X3	4-7/8	10-5/8	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	52.50
802-664C ¹	12X4	4-7/8	10-9/16	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	52.15
802-578C ¹	8X2	2-5/8	6-1/2	6-5/8	7-1/2	13-1/4	9-23/32	5-1/4	13.57
802-582C ¹	8X4	3-7/8	7	7-29/32	8-1/2	15-13/16	9-23/32	7-9/16	18.39
802-580C ¹	8X3	2-5/8	5-7/8	6-5/8	7-1/2	13-1/4	9-23/32	5-1/4	13.22
802-621C ¹	10X2	3-25/32	8-3/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	28.27

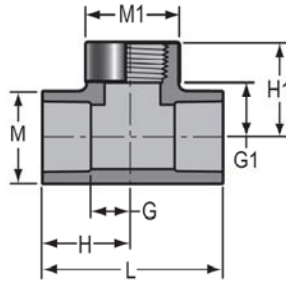
¹ Sized with Bushing

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Tee - Special Reinforced

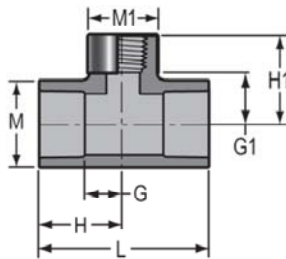
Socket x Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005CSR	1/2	9/16	21/32	1-15/32	1- 3/8	2-15/16	1- 7/32	1-3/16	.13
802-007CSR	3/4	19/32	21/32	1-19/32	1-3/8	3- 3/16	1-3/8	1-3/8	.15
802-010CSR	1	21/32	11/16	1-13/16	1- 5/8	3- 5/8	1-23/32	1-23/32	.34
802-012CSR	1-1/4	13/16	1	2- 3/32	1-31/32	4- 3/16	2- 3/32	2- 1/16	.38
802-015CSR	1-1/2	1-5/16	1- 7/32	2-11/32	2- 5/32	4-11/16	2-11/32	2- 7/16	.52
802-020CSR	2	1- 5/16	1-7/16	2-13/16	2-7/16	5-21/32	2-27/32	3- 1/32	.83
802-030CSR	3	1-27/32	2-5/32	3-23/32	3-9/16	7-15/32	4- 9/32	4-1/4	2.43
802-040CSR	4	2-1/2	2-21/32	4- 5/8	4- 5/32	9- 7/32	5- 1/4	5- 1/4	3.55

Tee - Special Reinforced Reducing

Socket x Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-072CSR	1/2X1/4	7/16	11/16	1- 5/16	1- 7/32	2- 5/8	1- 5/32	27/32	.09
802-098CSR	3/4X1/4	7/16	13/16	1- 7/16	1-11/32	2- 7/8	1- 3/8	27/32	.12
802-101CSR	3/4X1/2	19/32	23/32	1-19/32	1-15/32	3- 7/32	1-13/32	1- 3/16	.15
802-128CSR ¹	1X1/4	7/8	2-11/16	2	3-1/4	4	1-3/4	27/32	.38
802-130CSR	1X1/2	7/16	29/32	1- 9/16	1- 5/8	3- 1/8	1-23/32	1- 3/16	.20
802-131CSR	1X3/4	21/32	13/16	1-13/16	1-9/16	3-19/32	1-23/32	1- 3/8	.22
802-164CSR ¹	1-1/4X1/4	27/32	2-13/16	2- 1/8	3-13/32	4- 7/32	2- 3/32	27/32	.44
802-166CSR	1-1/4X1/2	7/16	1- 1/8	1-11/16	1-27/32	3-13/32	2- 3/32	1- 3/16	.26
802-168CSR	1-1/4X1	27/32	1	2-1/8	1-29/32	4-1/4	2- 3/32	1-11/16	.36
802-207CSR ¹	1-1/2X1/4	27/32	1-31/32	2- 1/4	2-9/16	4-1/2	2-11/32	1- 3/4	.51
802-211CSR	1-1/2X1	27/32	1- 7/32	2- 1/4	2- 1/8	4-15/32	2- 3/8	1-11/16	.43
802-212CSR	1-1/2X1-1/4	1- 1/32	1- 5/32	2- 7/16	2- 3/32	4-7/8	2- 3/8	2- 1/16	.51
802-247CSR	2X1/2	1/2	1-17/32	2	2- 1/4	4	2-27/32	1- 3/16	.48
802-248CSR	2X3/4	19/32	1-13/32	2- 1/8	2- 1/8	4- 1/4	2- 7/8	1- 3/8	.50
802-287CSR	2-1/2X1/2	17/32	1-3/4	2- 5/16	2- 1/2	4-5/8	3- 1/2	1-3/16	.79
802-331CSR ¹	3X1/4	7/8	3-3/4	2-3/4	4-11/32	5-1/2	4-7/32	27/32	1.37
802-413CSR ¹	4X1/4	27/32	4-13/32	3-1/8	5	6-1/4	5- 1/4	27/32	2.07

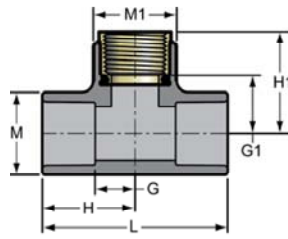
¹ Sized with Bushing



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Tee - Brass Transition

Socket x Socket x Fipt With Brass Thread Insert

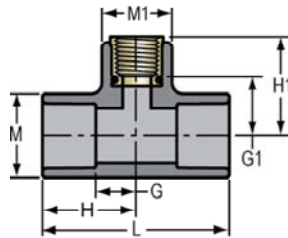


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005CBR	1/2	7/8	31/32	1- 7/16	1-17/32	2- 5/8	1- 5/32	1- 7/32	.16
802-007CBR	3/4	17/32	1- 5/32	1-17/32	1-13/16	3- 1/16	1-13/32	1- 3/8	.22

Not intended to convey or dispense water for human consumption through drinking or cooking

Tee - Brass Transition Reducing

Socket x Socket x Fipt With Brass Thread Insert

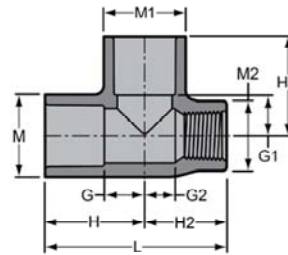


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-101CBR	3/4X1/2	7/16	1- 1/32	1- 7/16	1- 5/8	2-29/32	1-13/32	1- 3/16	.19

Not intended to convey or dispense water for human consumption through drinking or cooking

Tee - Reducing

Socket x Fipt x Socket



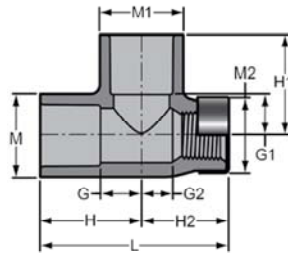
Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
803-095C	3/4X1/2X3/4	11/16	11/16	11/16	1-11/16	1-11/16	1-13/32	3- 3/32	1-13/32	1-13/32	1-3/16	.15

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Tee - Special Reinforced Reducing

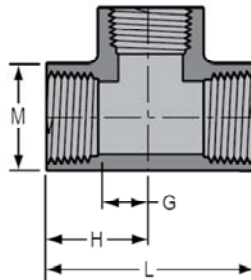
Socket x SR Fipt - Stainless Steel Collar x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
803-095CSR	3/4X1/2X3/4	11/16	11/16	11/16	1-11/16	1-11/16	1-13/32	3- 1/8	1-13/32	1-13/32	1-7/32	.16

Tee

Fipt x Fipt x Fipt

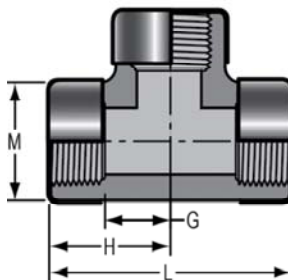


Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-002C	1/4	1/2	1- 3/32	2- 3/16	27/32	.05
805-003C	3/8	9/16	1- 5/32	2- 5/16	15/16	.07
805-005C	1/2	17/32	1- 1/4	2-15/32	1- 3/16	.11
805-007C	3/4	21/32	1-15/32	2-15/16	1- 1/2	.20
805-010C	1	7/8	1-23/32	3-7/16	1-27/32	.28
805-012C	1-1/4	15/16	1-31/32	3-29/32	2- 1/4	.55
805-015C	1-1/2	1-3/8	2- 3/16	4- 3/8	2-7/16	.62
805-020C	2	1- 5/8	2- 5/8	5- 1/4	3	1.15
805-025C	2-1/2	1-19/32	3- 1/8	6-9/32	3-9/16	1.76
805-030C	3	1-15/16	3- 9/16	7- 3/32	4-11/32	2.92
805-040C	4	2-15/32	4-3/16	8-3/8	5-13/32	4.35
805-060CF ¹	6	9	10-1/2	20-15/16	7-3/16	21.55
805-080CF ¹	8	10-7/8	12-5/8	25-5/16	9-5/16	41.95

¹ Sized with Bushing
 * Fabricated

Tee - Special Reinforced

SR Fipt x SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-002CSR	1/4	17/32	1- 1/8	2- 1/4	27/32	.06
805-003CSR	3/8	9/16	1- 3/16	2-11/32	31/32	.08
805-005CSR	1/2	17/32	1- 1/4	2- 1/2	1- 3/16	.14

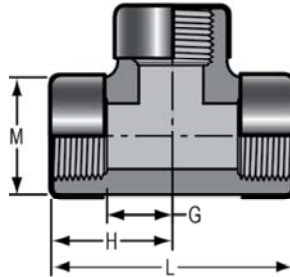


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Tee - Special Reinforced

SR Fipt x SR Fipt x SR Fipt - Stainless Steel Collar

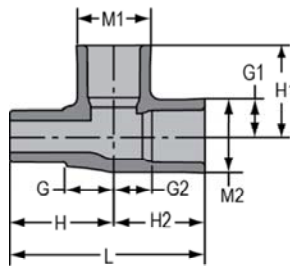
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Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-007CSR	3/4	19/32	1-11/32	2-11/16	1- 3/8	.16
805-010CSR	1	7/8	1-25/32	3- 9/16	1-11/16	.33
805-015CSR	1-1/2	1-1/4	2-7/32	4-7/16	2-13/32	.70
805-020CSR	2	1-21/32	2-21/32	5-5/16	3	1.26

Tee - Street

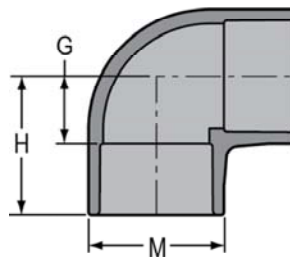
Spigot x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M1	Approx. Wt. (Lbs.)
844-005C	1/2	25/32	19/32	19/32	1-11/16	1-15/32	1-15/32	3- 5/32	1- 3/16	.10
844-007C	3/4	15/16	11/16	11/16	1-15/16	1-11/16	1-11/16	3- 5/8	1-13/32	.16
844-010C	1	1- 3/32	7/8	7/8	2- 7/32	2	2	4- 7/32	1- 3/4	.26
844-012C	1-1/4	1-5/16	1-1/32	1-1/32	2-9/16	2-9/32	2-9/32	4-27/32	2-1/8	.41
844-015C	1-1/2	1-7/16	1-3/16	1-3/16	2-13/16	2- 9/16	2- 9/16	5-3/8	2-3/8	.54
844-020C	2	1-23/32	1- 7/16	1-7/16	3- 1/4	2-15/16	2-15/16	6-3/16	2- 7/8	.83

90° EII

Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-002C	1/4	13/32	1-1/32	13/16	.03
806-003C	3/8	15/32	1-7/32	31/32	.04
806-005C	1/2	9/16	1-15/32	1- 3/16	.08
806-007C	3/4	11/16	1-11/16	1-13/32	.12
806-010C	1	7/8	2	1- 3/4	.20
806-012C	1-1/4	1-1/32	2- 9/32	2-3/32	.31
806-015C	1-1/2	1- 5/32	2- 9/16	2-11/32	.41
806-020C	2	1-13/32	2-15/16	2- 7/8	.62

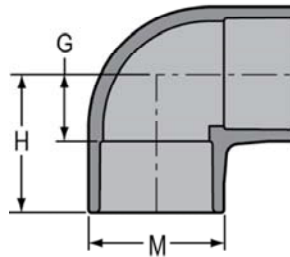
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



90° EII

Socket x Socket

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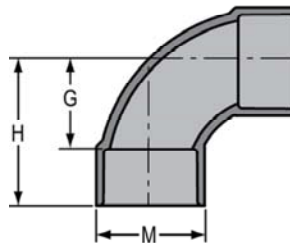


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-025C	2-1/2	1-1/2	3-3/8	3-1/2	1.14
806-030C	3	2-1/16	4	4-3/16	1.75
806-040C	4	2-19/32	4-27/32	5-1/4	2.92
806-050C	5	3-3/16	5-13/16	6-3/8	4.62
806-050CF*	5	6-9/16	9-9/16	6-5/16	7.40
806-060C	6	3-13/16	6-13/16	7-19/32	7.97
806-080C	8	4-25/32	8-25/32	9-3/4	15.11
806-080CF*	8	9-1/4	13-1/2	9-5/8	21.14
806-100C	10	5-25/32	10-13/16	12-1/16	27.41
806-100CF*	10	11-13/16	17-1/16	11-15/16	41.40
806-120C	12	7	13	14-1/4	45.01
806-120CF*	12	13-5/8	19-7/8	14-1/8	59.42
806-140C	14	7-1/2	14-1/2	15-9/16	55.89
806-140CF*	14	16	23	15-1/2	86.71
806-160CF*	16	18-7/16	26-7/16	17-11/16	141.62
806-180CF*	18	20-7/8	29-7/8	19-7/8	175.61
806-200CF*	20	23-5/16	33-5/16	22-1/16	250.00
806-240CF*	24	28-1/4	40-1/4	26-7/16	422.00

* Fabricated

90° EII - Sweep

Socket x Socket



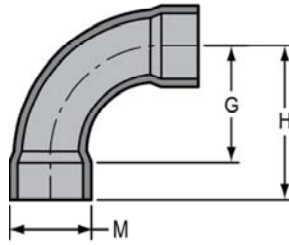
Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005SC	1/2	27/32	1-23/32	1-3/16	.09
806-007SC	3/4	1-1/16	2-1/16	1-13/32	.13
806-010SC	1	1-5/16	2-7/16	1-3/4	.23
806-012SC	1-1/4	1-9/16	2-27/32	2-3/32	.35
806-015SC	1-1/2	1-3/4	3-5/32	2-3/8	.43
806-020SC	2	2-5/16	3-13/16	2-7/8	.81



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

90° EII - Long Sweep

Socket x Socket

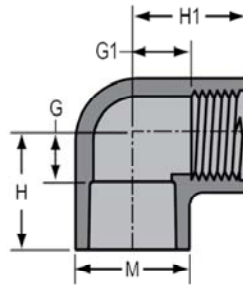


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005LSCF*	1/2	1- 7/8	2- 3/4	1- 1/8	.15
806-007LSCF*	3/4	2- 7/16	3- 7/16	1- 7/16	.26
806-010LSCF*	1	2- 7/8	4	1-11/16	.40
806-012LSCF*	1-1/4	3- 5/8	4- 7/8	2- 1/16	.56
806-015LSCF*	1-1/2	4- 1/8	5- 1/2	2- 5/16	.65
806-020LSCF*	2	4- 3/4	6-1/4	2-13/16	1.18
806-025LSCF*	2-1/2	5-3/4	7-3/4	3-7/16	1.70
806-030LSCF*	3	7	9	4- 1/8	2.46
806-040LSCF*	4	9	11- 1/4	5- 3/16	4.85
806-060LSCF*	6	13	16- 1/4	7- 1/2	11.76
806-080LSCF*	8	23-1/2	27-3/4	9-5/8	31.25
806-100LSCF*	10	27	32-1/4	11-15/16	54.83

* Fabricated

90° EII

Socket x Fipt



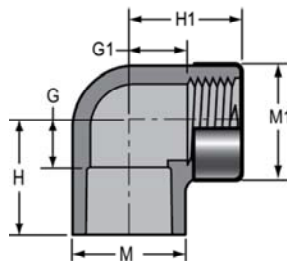
Part Number	Size	G	G1	H	H1	M	Approx. Wt. (Lbs.)
807-002C	1/4	5/16	11/32	15/16	15/16	7/8	.03
807-003C	3/8	1/4	7/16	1- 1/32	1- 1/32	1- 1/32	.05
807-005C	1/2	15/32	9/16	1-11/32	1- 9/32	1- 3/16	.08
807-007C	3/4	9/16	11/16	1- 9/16	1-13/32	1- 3/8	.10
807-010C	1	11/16	3/4	1-7/8	1-11/16	1-23/32	.19
807-012C	1-1/4	23/32	1- 1/32	1-31/32	1-31/32	2- 1/16	.29
807-015C	1-1/2	31/32	1- 7/32	2-11/32	2- 5/32	2-3/8	.40
807-020C	2	1-13/32	1-1/2	2-15/16	2-1/2	3	.84
807-030C	3	1-13/16	2-1/4	3-11/16	3- 9/16	4-1/4	1.99
807-040C	4	2-3/8	2-13/16	4- 9/16	4-7/32	5- 1/4	2.94

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



90° EII - Special Reinforced

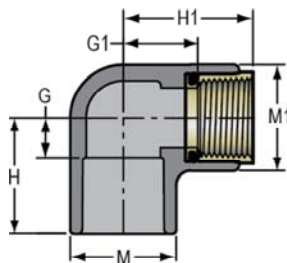
Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-005CSR	1/2	15/32	23/32	1-11/32	1- 9/32	1- 3/16	1- 7/32	.09
807-007CSR	3/4	9/16	21/32	1- 9/16	1-13/32	1- 3/8	1- 3/8	.11
807-010CSR	1	19/32	13/16	1-23/32	1-23/32	1-11/16	1-23/32	.21
807-012CSR	1-1/4	23/32	1- 1/32	1-31/32	1-31/32	2- 1/16	2- 1/16	.31
807-015CSR	1-1/2	31/32	1- 5/32	2- 3/8	2- 1/8	2-11/32	2- 7/16	.42
807-020CSR	2	1-13/32	1- 1/2	2-15/16	2-17/32	3	3-1/32	.87
807-030CSR	3	1-13/16	2- 7/32	3-23/32	3- 9/16	4- 9/32	4- 9/32	1.98
807-040CSR	4	2- 9/32	2-25/32	4- 9/16	4- 7/32	5- 1/4	5- 1/4	3.03

90° EII - Brass Transition

Socket x Fipt With Brass Thread Insert



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-005CBR	1/2	13/32	31/32	1- 9/32	1-17/32	1- 5/32	1- 3/16	.14
807-007CBR	3/4	17/32	1-1/16	1-17/32	1-11/16	1- 3/8	1-3/8	.21

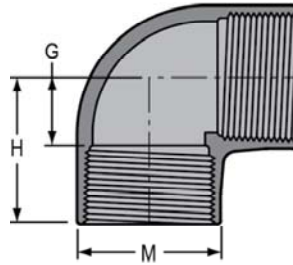
Not intended to convey or dispense water for human consumption through drinking or cooking



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

90° EII

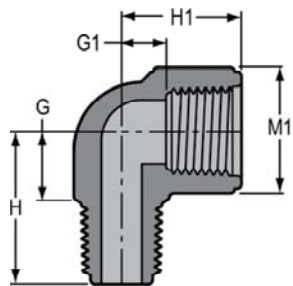
Fipt x Fipt



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-002C	1/4	11/32	15/16	7/8	.03
808-003C	3/8	9/16	1- 5/32	15/16	.05
808-005C	1/2	1/2	1- 7/32	1- 9/32	.08
808-007C	3/4	5/8	1- 3/8	1- 3/8	.12
808-010C	1	11/16	1-9/16	1-23/32	.21
808-012C	1-1/4	1	1-15/16	2- 1/16	.31
808-015C	1-1/2	1	2- 3/32	2- 7/16	.47
808-020C	2	1-17/32	2-17/32	3	.92
808-025C	2-1/2	1-9/16	3-1/8	3-1/2	1.25
808-030C	3	1-7/8	3-1/2	4-9/32	2.37
808-040C	4	2-11/16	4-3/16	5-1/4	3.15

90° Street EII

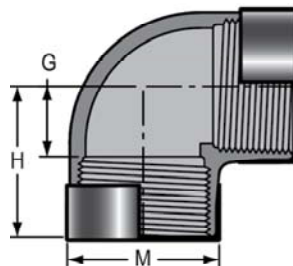
Mipt x Fipt



Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
812-002C	1/4	9/16	1/4	1-1/16	27/32	13/16	.02
812-005C	1/2	23/32	13/32	1-11/32	1-1/8	1-3/16	.06
812-007C	3/4	7/8	17/32	1-1/2	1-1/4	1-7/16	.09
812-010C	1	1- 1/32	21/32	1-13/16	1- 9/16	1-23/32	.16

90° EII - Special Reinforced

SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-003CSR	3/8	9/16	1-5/32	31/32	.07
808-005CSR	1/2	1/2	1- 7/32	1- 3/16	.10
808-007CSR	3/4	5/8	1- 3/8	1- 3/8	.14

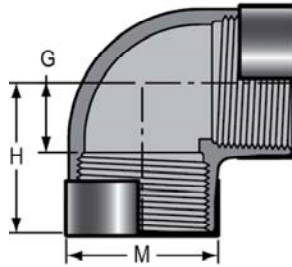
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



90° EII - Special Reinforced

(Continued)

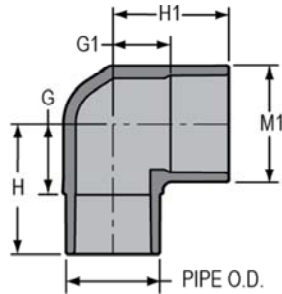
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-010CSR	1	25/32	1-11/16	1-23/32	.24
808-012CSR	1-1/4	15/16	1- 7/8	2- 1/16	.36
808-015CSR	1-1/2	1- 1/32	2- 1/8	2- 7/16	.52
808-020CSR	2	1-19/32	2- 1/2	3	1.04

90° Street EII

Spigot x Socket



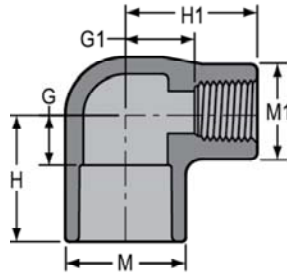
Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
809-005C	1/2	25/32	19/32	1-11/16	1-15/32	1-3/16	.07
809-007C	3/4	29/32	11/16	1-15/16	1-11/16	1-13/32	.11
809-010C	1	1-3/32	27/32	2- 7/32	2	1-23/32	.20
809-012C	1-1/4	1-5/16	1-1/32	2-9/16	2-9/32	2- 3/32	.31
809-015C	1-1/2	1- 7/16	1- 3/16	2-13/16	2- 9/16	2- 3/8	.42
809-020C	2	1- 3/4	1- 7/16	3- 1/4	2-31/32	2- 7/8	.64
809-025C ¹	2-1/2	3-3/8	1-1/2	5-1/4	3- 3/8	3-1/2	1.41
809-030C	3	2- 3/8	1-13/16	4- 1/4	3-11/16	4- 3/16	1.70
809-040C	4	3-1/32	2-9/32	5-9/32	4-9/16	5- 1/4	2.94
809-060C ¹	6	5-13/16	3-13/16	8-13/16	6-13/16	7- 9/16	9.27
809-080C ¹	8	7-1/8	5	11-1/8	8-7/8	9- 3/4	17.33
809-100C ¹	10	8-7/8	5-7/8	13-7/8	10-7/8	12- 1/16	34.95
809-100CF*	10	14-5/16	11-13/16	20-5/16	17-1/16	11-15/16	42.52
809-120C ¹	12	11	7	17	13	14-5/16	57.29
809-120CF*	12	16-5/8	13-5/8	23-5/8	19-7/8	14-1/8	74.92
809-140C ¹	14	11-1/2	7-1/2	18-1/2	14-1/2	15-9/16	70.92
809-140CF*	14	19-1/2	16	27-1/2	23	15-1/2	112.42
809-160CF*	16	22-7/16	18-7/16	31-7/16	26-7/16	17-11/16	164.40
809-180CF*	18	25-3/8	20-7/8	35-3/8	29-7/8	19-7/8	200.00
809-200CF*	20	28-5/16	23-5/16	39-5/16	33-5/16	22-1/16	294.00
809-240CF*	24	34-1/4	28-1/4	47-1/4	40-1/4	26-7/16	546.72



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

90° EII - Reducing

Socket x Fipt



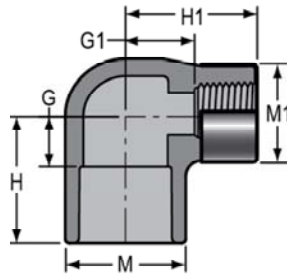
Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101C	3/4X1/2	1/2	13/16	1-1/2	1-17/32	1-13/32	1-3/16	.11
807-130C ¹	1X1/2	7/8	1-15/32	2	2-3/16	1-23/32	1-23/32	.26
807-131C ¹	1X3/4	7/8	1-17/32	2	2-1/4	1-23/32	1-23/32	.26

¹ Sized with Bushing



90° EII - Special Reinforced Reducing

Socket x SR Fipt - Stainless Steel Collar



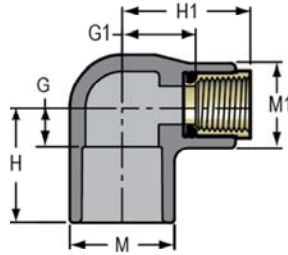
Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101CSR	3/4X1/2	1/2	13/16	1-17/32	1-17/32	1-13/32	1-3/16	.11
807-130CSR	1X1/2	9/16	1	1-23/32	1-5/8	1-23/32	1-3/16	.13

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



90° EII - Brass Transition Reducing

Socket x Fipt With Brass Thread Insert

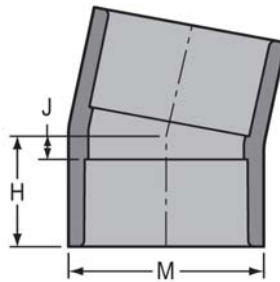


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101CBR	3/4X1/2	1/2	1-3/32	1- 1/2	1- 5/8	1-13/32	1- 3/16	.17

Not intended to convey or dispense water for human consumption through drinking or cooking

11-1/4° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
811-005CF*	1/2	1-5/16	5/16	1-1/8	.06
811-007CF*	3/4	1-5/16	5/16	1-3/8	.08
811-010CF*	1	1-9/16	5/16	1-11/16	.14
811-012CF*	1-1/4	2	1/2	2-1/16	.25
811-015C	1-1/2	1-19/32	7/32	2- 3/8	.25
811-020C	2	1-23/32	7/32	2-27/32	.35
811-025CF*	2-1/2	2-11/16	11/16	3- 7/16	.88
811-030C	3	2- 3/16	5/16	4-5/32	.91
811-040C	4	2-21/32	3/8	5- 1/4	1.58
811-050CF*	5	3-13/16	13/16	6-5/16	3.41
811-060CF*	6	4- 1/4	1	7- 1/2	4.68
811-080CF*	8	5- 3/8	1- 1/8	9- 5/8	8.72
811-100CF*	10	6-11/16	1- 7/16	11-15/16	15.81
811-120CF*	12	7-13/16	1- 9/16	14- 1/8	29.05
811-140CF*	14	9	2	15- 1/2	35.90
811-160CF*	16	10- 3/8	2- 3/8	17-11/16	55.59
811-180CF*	18	11- 3/4	2- 3/4	19- 7/8	83.44
811-200CF*	20	13-1/8	3-1/8	22-1/16	99.90
811-240CF*	24	15-13/16	3-13/16	26-7/16	196.95

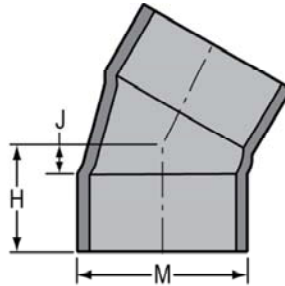
* Fabricated



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

30° EII

Socket x Socket

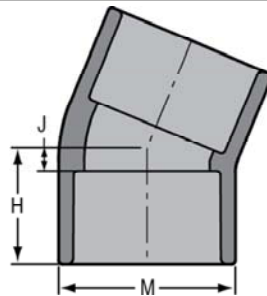


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
815-005CF*	1/2	1- 7/16	7/16	1- 1/8	.06
815-007CF*	3/4	1- 7/16	7/16	1- 3/8	.11
815-010CF*	1	1- 3/4	1/2	1-11/16	.15
815-012CF*	1-1/4	2- 3/16	11/16	2- 1/16	.24
815-015CF*	1-1/2	2- 3/16	11/16	2- 5/16	.37
815-020CF*	2	2- 1/2	3/4	2-13/16	.55
815-025CF*	2-1/2	3	1	3- 7/16	.92
815-030CF*	3	3- 5/16	1- 1/16	4- 1/8	1.43
815-040CF*	4	3- 7/16	1- 3/16	5- 3/16	2.15
815-050CF*	5	4-3/8	1-3/8	6-5/16	3.22
815-060C	6	4-13/16	1-13/16	7-5/8	5.89
815-080CF*	8	6- 3/16	1-15/16	9- 5/8	10.04
815-100CF*	10	7- 3/4	2- 1/2	11-15/16	17.68
815-120CF*	12	9- 1/16	2-13/16	14- 1/8	30.39
815-140CF*	14	10- 7/16	3- 7/16	15- 1/2	42.92
815-160CF*	16	11-15/16	3-15/16	17-11/16	64.23
815-180CF*	18	13-1/2	4-1/2	19- 7/8	92.38
815-200CF*	20	15	5	22-1/16	109.88
815-240CF*	24	18-1/8	6-1/8	26-7/16	185.25

* Fabricated

22-1/2° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
816-005C	1/2	1- 1/16	3/16	1- 5/32	.06
816-007C	3/4	1- 3/16	7/32	1-13/32	.08
816-010C	1	1-11/32	7/32	1-23/32	.14
816-010CF*	1	1-11/16	7/16	1-11/16	.18
816-012C	1-1/4	1- 1/2	1/4	2- 3/32	.20
816-015C	1-1/2	1-21/32	9/32	2-11/32	.27
816-015CF*	1-1/2	2-1/8	5/8	2-5/16	.31
816-020C	2	1- 7/8	3/8	2-27/32	.43
816-025C	2-1/2	2- 7/32	15/32	3- 1/2	.72

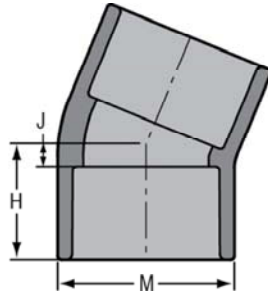
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



22-1/2° EII

Socket x Socket

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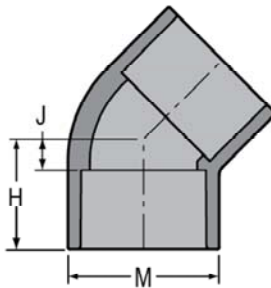


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
816-025CF*	2-1/2	2- 7/8	7/8	3- 7/16	.81
816-030C	3	2-3/8	1/2	4- 5/32	1.00
816-040C	4	2- 7/8	5/8	5- 1/4	1.71
816-050CF*	5	4-1/8	1-1/8	6-5/16	3.22
816-060C	6	3-15/16	7/8	7- 9/16	4.59
816-060CF*	6	4- 5/8	1- 3/8	7- 1/2	5.16
816-080C	8	5- 1/16	1- 1/32	9- 3/4	8.59
816-080CF*	8	5- 7/8	1- 5/8	9- 5/8	9.36
816-100CF*	10	7- 5/16	2- 1/16	11-15/16	17.59
816-120CF*	12	8- 9/16	2- 5/16	14- 1/8	29.69
816-140CF*	14	9-13/16	2-13/16	15- 1/2	37.75
816-160CF*	16	11- 5/16	3- 5/16	17-11/16	57.95
816-180CF*	18	12- 3/4	3- 3/4	19- 7/8	86.42
816-200CF*	20	14-1/4	4-1/4	22-1/16	103.22
816-240CF*	24	17-3/16	5-3/16	26-7/16	205.70

* Fabricated

45° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
817-002C	1/4	13/16	5/32	27/32	.02
817-003C	3/8	15/16	3/16	1	.03
817-005C	1/2	1-1/8	1/4	1-3/16	.06
817-007C	3/4	1-5/16	5/16	1-7/16	.09
817-010C	1	1-7/16	5/16	1-23/32	.14
817-012C	1-1/4	1-5/8	3/8	2-1/8	.22
817-015C	1-1/2	1-13/16	7/16	2-3/8	.29
817-020C	2	2-1/8	5/8	2-7/8	.47
817-025C	2-1/2	2-7/16	11/16	3-1/2	.82
817-030C	3	2-25/32	29/32	4-1/8	1.21
817-040C	4	3-5/16	1-1/16	5-1/4	2.14
817-050C	5	4	1-3/8	6-13/32	3.30
817-050CF*	5	4-7/8	1-7/8	6-5/16	3.85
817-060C	6	4-3/4	1-3/4	7-9/16	5.58

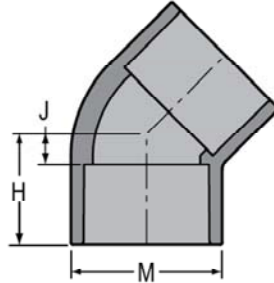


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

45° EII

(Continued)

Socket x Socket

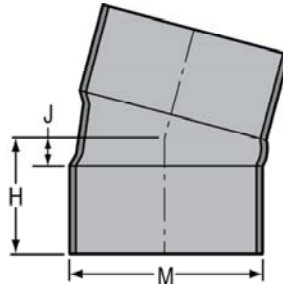


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
817-080C	8	6	2	9-3/4	10.64
817-100C	10	7-5/8	2-19/32	12-1/8	20.08
817-100CF*	10	8-11/16	3- 7/16	11-15/16	19.37
817-120C	12	9-3/16	3-1/8	14-9/32	32.86
817-120CF*	12	10- 1/8	3- 7/8	14- 1/8	32.40
817-140C	14	10-11/32	3- 5/16	15- 5/8	43.00
817-140CF*	14	11- 9/16	4- 9/16	15- 1/2	41.37
817-160CF*	16	13- 5/16	5- 5/16	17-11/16	64.66
817-180CF*	18	15	6	19- 7/8	88.48
817-200CF*	20	16- 3/4	6- 3/4	22- 1/16	124.66
817-240CF*	24	20- 3/16	8- 3/16	26- 7/16	207.66

* Fabricated

15° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-005CF*	1/2	1-5/16	5/16	1-1/8	.13
818-007CF*	3/4	1-5/16	5/16	1-3/8	.08
818-010CF*	1	1-5/8	3/8	1-11/16	.15
818-012CF*	1-1/4	2	1/2	2-1/16	.25
818-015CF*	1-1/2	2	1/2	2-5/16	.26
818-020CF*	2	2- 5/16	9/16	2-13/16	.48
818-025CF*	2-1/2	2- 3/4	3/4	3- 7/16	.88
818-030CF*	3	3	3/4	4- 1/8	1.25
818-040CF*	4	3- 1/8	7/8	5- 3/16	1.79
818-050CF*	5	3-15/16	15/16	6-5/16	3.08
818-060CF*	6	4- 3/8	1- 1/8	7- 1/2	4.77
818-080CF*	8	5-1/2	1- 1/4	9- 5/8	8.81
818-100CF*	10	6-15/16	1-11/16	11-15/16	17.29
818-120CF*	12	8- 1/16	1-13/16	14- 1/8	27.73
818-140CF*	14	9- 5/16	2- 5/16	15- 1/2	40.74
818-160CF*	16	10-11/16	2-11/16	17-11/16	59.47

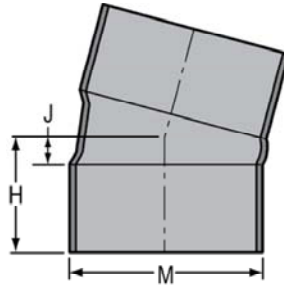
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



15° EII

Socket x Socket

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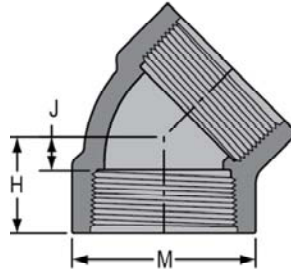


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-180CF*	18	12- 1/16	3- 1/16	19- 7/8	83.44
818-200CF*	20	13-1/2	3-1/2	22-1/16	99.90
818-240CF*	24	16-1/4	4-1/4	26-7/16	202.28

* Fabricated

45° EII

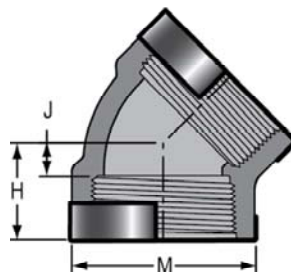
Fipt x Fipt



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-002C	1/4	3/4	5/32	27/32	.03
819-003C	3/8	25/32	3/16	1	.03
819-005C	1/2	31/32	1/4	1- 3/16	.07
819-007C	3/4	1-1/32	5/16	1- 3/8	.07
819-010C	1	1- 7/32	5/16	1-11/16	.14
819-012C	1-1/4	1-3/8	3/8	2- 3/16	.25
819-015C	1-1/2	1-25/32	7/16	2- 1/2	.32
819-020C	2	1-11/16	5/8	3	.48
819-025C	2-1/2	2-1/16	1-1/16	3- 1/2	1.24
819-030C	3	2-23/32	1-7/32	4- 9/32	1.91
819-040C	4	3- 1/4	1-3/4	5- 1/4	3.33

45° EII - Special Reinforced

SR Fipt x SR Fipt - Stainless Steel Collar



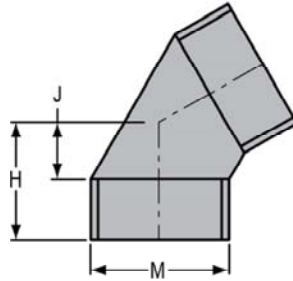
Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-005CSR	1/2	1	5/16	1- 3/16	.09
819-007CSR	3/4	1- 1/8	13/32	1- 3/8	.11
819-010CSR	1	1- 1/4	13/32	1-23/32	.17



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

60° EII

Socket x Socket

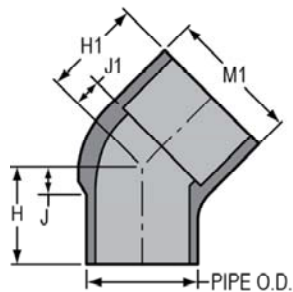


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
824-005CF*	1/2	1- 5/8	5/8	1- 1/8	.11
824-007CF*	3/4	1-11/16	11/16	1- 3/8	.08
824-010CF*	1	2	3/4	1-11/16	.17
824-012CF*	1-1/4	2- 1/2	1	2- 1/16	.35
824-015CF*	1-1/2	2- 5/8	1- 1/8	2-5/16	.36
824-020CF*	2	3	1- 1/4	2-13/16	.59
824-025CF*	2-1/2	3- 9/16	1- 9/16	3- 7/16	1.04
824-030CF*	3	4	1- 3/4	4- 1/8	1.51
824-040CF*	4	4- 5/16	2- 1/16	5- 3/16	2.31
824-060CF*	6	6- 1/8	2- 7/8	7- 1/2	5.92
824-080CF*	8	7- 3/4	3- 1/2	9- 5/8	10.94
824-100CF*	10	9-11/16	4- 7/16	11-15/16	21.91
824-120CF*	12	11- 5/16	5- 1/16	14- 1/8	31.43
824-140CF*	14	12-15/16	5-15/16	15- 1/2	88.89
824-160CF*	16	14-13/16	6-13/16	17-11/16	126.08
824-180CF*	18	16- 3/4	7- 3/4	19- 7/8	175.81
824-200CF*	20	26-5/8	16-5/8	22-1/16	247.63
824-240CF*	24	32-1/8	20-1/8	26-7/16	415.20

* Fabricated

45° Street EII

Spigot x Socket



Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
827-005C	1/2	1-3/8	1-1/8	15/32	1/4	1- 3/16	.06
827-007C	3/4	1-9/16	1-3/8	17/32	3/8	1-3/8	.09
827-010C	1	1-25/32	1- 1/2	19/32	11/32	1-23/32	.15
827-012C	1-1/4	2	1-23/32	3/4	15/32	2- 3/32	.24
827-015C	1-1/2	2-3/16	1-29/32	13/16	17/32	2-3/8	.31
827-020C	2	2-7/16	2-1/8	15/16	5/8	2-7/8	.46
827-025C ¹	2-1/2	3-5/16	2-7/16	1-9/16	11/16	3-17/32	1.22
827-030C	3	3-3/16	2-3/4	1-5/16	7/8	4-3/16	1.25
827-040C	4	3-7/8	3-11/32	1-5/8	1-3/32	5- 1/4	2.19
827-050CF*	5	7-3/8	4-7/8	3-3/8	1-7/8	6-5/16	5.28

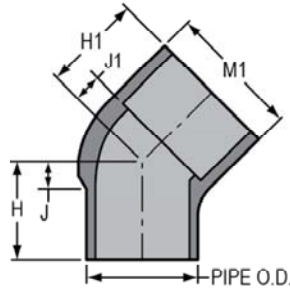
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



45° Street Ell

Spigot x Socket

(Continued)

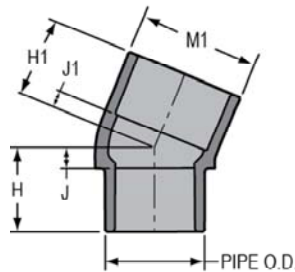


Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
827-060C	6	5-1/8	4-3/4	2-1/8	1-3/4	7-19/32	5.91
827-080C	8	6-19/32	6	2-9/16	2	9-3/4	11.14
827-100C ¹	10	10-5/8	7-21/32	5-5/8	2-5/8	12	25.44
827-120C ¹	12	12-13/16	9-5/32	6-13/16	3-3/32	14-13/32	45.35
827-140CF*	14	16-1/16	11-9/16	8-1/16	4-9/16	15-1/2	64.42
827-160CF*	16	18-5/16	13-5/16	9-5/16	5-5/16	17-11/16	90.40
827-180CF*	18	20-1/2	15	10-1/2	6	19-7/8	131.11
827-200CF*	20	22-3/4	16-3/4	11-3/4	6-3/4	22-1/16	153.18
827-240CF*	24	27-3/16	20-3/16	14-3/16	8-3/16	26-7/16	123.29

* Fabricated

22-1/2° Street Ell

Spigot x Socket



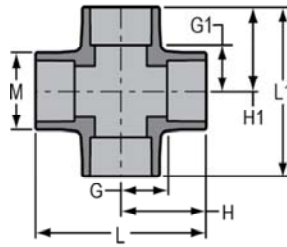
Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
842-005C	1/2	1-1/8	15/16	1/4	1/32	1-3/16	.05
842-007C	3/4	1-5/16	1-1/8	5/16	1/8	1-3/8	.08
842-010C	1	1-1/2	1-11/32	3/8	7/32	1-23/32	.13
842-012C	1-1/4	1-11/16	1-1/2	7/16	1/4	2-1/16	.20
842-015C	1-1/2	1-27/32	1-11/16	15/32	5/16	2-11/32	.27
842-020C	2	2-1/16	1-7/8	17/32	3/8	2-7/8	.40
842-025C	2-1/2	2-7/32	2-7/32	15/32	15/32	3-1/2	.76
842-030C	3	2-13/32	2-13/32	1-7/32	17/32	4-5/32	1.00
842-040C	4	3	2-7/8	3/4	5/8	5-1/4	1.80
842-060C	6	5-7/8	3-29/32	2-7/8	7/8	7-9/16	8.50
842-080C	8	7-3/32	5-3/32	3-9/32	1-3/32	9-3/4	11.78



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Cross

Socket x Socket x Socket x Socket

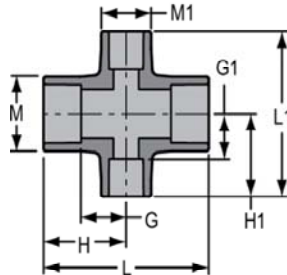


Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-002C	1/4	13/32	13/32	1- 1/32	1- 1/32	2- 1/16	2- 1/16	13/16	13/16	.05
820-005C	1/2	19/32	19/32	1-15/32	1-15/32	2-15/16	2-15/16	1- 3/16	1- 3/16	.14
820-007C	3/4	5/8	5/8	1- 5/8	1- 5/8	3- 9/32	3- 9/32	1-13/32	1-13/32	.21
820-010C	1	31/32	31/32	2- 3/32	2- 3/32	4-3/16	4-3/16	1-23/32	1-23/32	.39
820-012C	1-1/4	1- 3/32	1- 3/32	2- 3/8	2- 3/8	4- 3/4	4- 3/4	2- 1/8	2- 1/8	.61
820-015C	1-1/2	1- 1/4	1- 1/4	2- 5/8	2- 5/8	5- 1/4	5- 1/4	2- 3/8	2- 3/8	.86
820-020C	2	1- 1/2	1- 1/2	3	3	6	6	3	3	1.40
820-025C	2-1/2	1-11/16	1-11/16	3-7/16	3-7/16	6-7/8	6-7/8	3-17/32	3-17/32	2.17
820-030C	3	2- 3/32	2- 3/32	3-31/32	3-31/32	7-15/16	7-15/16	4-11/32	4-11/32	3.39
820-040C	4	2- 5/8	2- 5/8	4- 7/8	4- 7/8	9- 3/4	9- 3/4	5-1/4	5-1/4	5.50
820-060CF*	6	6- 1/4	6- 1/4	9- 1/2	9- 1/2	19	19	7- 1/2	7- 1/2	16.93
820-080CF*	8	7- 5/8	7- 5/8	11- 7/8	11- 7/8	23- 3/4	23- 3/4	9- 5/8	9- 5/8	30.81
820-100CF*	10	9	9	14- 1/4	14- 1/4	28- 1/2	28- 1/2	11-15/16	11-15/16	54.55
820-120CF*	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	35	14- 1/8	14- 1/8	96.33
820-140CF*	14	12- 1/4	12- 1/4	19- 1/4	19- 1/4	38- 1/2	38- 1/2	15- 1/2	15- 1/2	127.64
820-160CF*	16	13	13	21	21	42	42	17-11/16	17-11/16	175.70
820-180CF*	18	13- 3/4	13- 3/4	22- 3/4	22- 3/4	45- 1/2	45- 1/2	19- 7/8	19- 7/8	233.48

* Fabricated

Cross - Reducing

Socket x Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-101C ¹	3/4X1/2	5/8	15/16	1-5/8	1-27/32	3-1/4	3-21/32	1-13/32	1-13/32	.26
820-130C ¹	1X1/2	31/32	1-15/32	2-3/32	2-11/32	4-3/16	4-23/32	1-23/32	1-23/32	.53
820-131C	1X3/4	23/32	5/8	1- 5/8	1- 5/8	3- 1/4	3- 1/4	1- 7/8	1- 1/2	.30
820-166C ¹	1-1/4X1/2	1- 3/32	1-3/4	2- 3/8	2-5/8	4- 3/4	5-1/4	2-1/8	2-1/8	.86
820-167C	1-1/4X3/4	3/4	1-1/32	2	2-1/16	4	4-1/16	2- 1/16	1-3/8	.34
820-168C ¹	1-1/4X1	1-3/32	1-15/32	2-3/8	2-19/32	4-3/4	5-3/16	2-1/8	2-1/8	.75
820-200CF*	20	16-3/8	16-3/8	26-3/8	26-3/8	52-3/4	52-3/4	22-1/6	22-1/16	249.75
820-209C ¹	1-1/2X1/2	1-1/4	2-1/16	2-5/8	2-15/16	5- 1/4	5-7/8	2- 3/8	2- 3/8	1.16
820-210C	1-1/2X3/4	11/16	1- 5/32	2- 3/32	2-11/64	4- 3/16	4-11/32	2- 3/8	1-13/32	.41
820-211C ¹	1-1/2X1	1-1/4	1-5/8	2- 5/8	2-25/32	5-1/4	5-3/4	2-3/8	2-3/8	1.11
820-212C ¹	1-1/2X1-1/4	1-1/4	1-19/32	2-5/8	2-27/32	5-1/4	5-11/16	2-3/8	2-3/8	.99

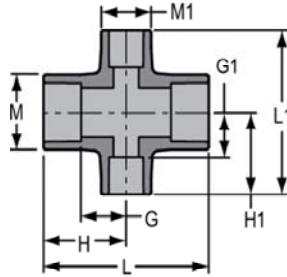
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Cross - Reducing

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-240CF ⁺	24	20-1/4	20-1/4	32-1/4	32-1/4	64-1/2	64-1/2	26-7/16	26-7/16	355.98
820-247C ¹	2X1/2	1-1/2	2-3/8	3	3-1/4	6	6-1/2	3	3	1.99
820-248C ¹	2X3/4	11/16	1- 7/16	2-13/64	2- 7/16	4-13/32	4- 7/8	2-29/32	1-13/32	.55
820-249C ¹	2X1	1- 1/2	2-1/8	3	3-1/4	6	6-1/2	3	3	1.89
820-250C ¹	2X1-1/4	1-1/2	1-15/16	3	3-3/16	6	6-3/8	3	3	1.81
820-289C	2-1/2X1	29/32	1-3/4	2-43/64	2-7/8	5-11/32	5- 3/4	3- 1/2	1- 3/4	1.03
820-290C ¹	2-1/2X1-1/4	1-11/16	2-9/16	3-7/16	3-13/16	6-7/8	7-5/8	3-17/32	3-17/32	3.09
820-291C ¹	2-1/2X1-1/2	1-11/16	2-15/32	3- 7/16	3-27/32	6- 7/8	7-11/16	3-17/32	3-17/32	2.97
820-292C ¹	2-1/2X2	1-11/16	2-3/16	3-7/16	3-23/32	6-7/8	7-7/16	3-17/32	3-17/32	2.76
820-335C ¹	3X1	2-3/32	3-5/32	3-31/32	4-9/32	7-15/16	8-9/16	4-11/32	4-11/32	4.73
820-336C ¹	3X1-1/4	2- 3/32	3- 1/8	3-31/32	4- 3/8	7-15/16	8- 3/4	4-11/32	4-11/32	4.79
820-337C ¹	3X1-1/2									4.73
820-338C ¹	3X2	2- 3/32	2-25/32	3-31/32	4- 5/16	7-15/16	8- 5/8	4-11/32	4-11/32	4.66
820-339C ¹	3X2-1/2	2-3/32	2-1/2	3-31/32	4-9/32	7-15/16	8-9/16	4-11/32	4-11/32	4.25
820-420C ¹	4X2	2- 5/8	3-3/4	4- 7/8	5-1/4	9- 3/4	10-1/2	5-1/4	5-1/4	7.70
820-422C ¹	4X3	2- 5/8	3-5/16	4- 7/8	5-3/16	9- 3/4	10-3/8	5- 1/4	5- 1/4	7.21
820-420CF ⁺	4X2	3- 7/8	4- 1/4	6- 1/8	6	12- 1/4	12	5- 3/16	2-13/16	4.14
820-528CF ⁺	6X2	4- 5/8	5- 3/16	7- 7/8	6-15/16	15- 3/4	13- 7/8	7- 1/2	2-13/16	12.00
820-530CF ⁺	6X3	4- 3/4	5- 3/4	8	8	16	16	7- 1/2	4- 1/8	10.24
820-532CF ⁺	6X4	5- 1/4	6- 3/4	8- 1/2	9	17	18	7- 1/2	5- 3/16	12.14
820-578CF ⁺	8X2	4-11/16	6- 1/8	8-15/16	7- 7/8	17- 7/8	15- 3/4	9- 5/8	2-13/16	14.84
820-580CF ⁺	8X3	5- 3/16	6-11/16	9- 7/16	8-15/16	18- 7/8	17- 7/8	9- 5/8	4- 1/8	16.96
820-582CF ⁺	8X4	5- 3/4	7-11/16	10	9-15/16	20	19- 7/8	9- 5/8	5- 3/16	20.46
820-585CF ⁺	8X6	6- 3/4	8- 1/16	11	11- 5/16	22	22- 5/8	9- 5/8	7- 1/2	24.47
820-621CF ⁺	10X2	4- 3/8	7- 1/8	9- 5/8	8- 7/8	19- 1/4	17-11/16	11-15/16	2-13/16	24.57
820-623CF ⁺	10X3	4- 7/8	7-11/16	10- 1/8	9-15/16	20- 1/4	19-13/16	11-15/16	4- 1/8	28.98
820-624CF ⁺	10X4	5- 3/8	8-11/16	10- 5/8	10-15/16	21- 1/4	21-13/16	11-15/16	5- 3/16	28.01
820-626CF ⁺	10X6	5- 7/8	9- 1/16	11- 1/8	12- 5/16	22- 1/4	24- 5/8	11-15/16	7- 1/2	36.35
820-628CF ⁺	10X8	8- 1/4	9-15/16	13- 1/2	14- 3/16	27	28- 3/8	11-15/16	9- 5/8	47.27
820-661CF ⁺	12X2	4- 3/4	8	11	9- 3/4	22	19- 1/2	14- 1/8	2-13/16	35.55
820-663CF ⁺	12X3	5- 1/4	8- 9/16	11- 1/2	10-13/16	23	21- 5/8	14- 1/8	4- 1/8	45.27
820-664CF ⁺	12X4	5- 3/4	9- 9/16	12	11-13/16	24	23- 5/8	14- 1/8	5- 3/16	42.59
820-666CF ⁺	12X6	7- 1/4	9-15/16	13- 1/4	13- 3/16	26- 1/2	26- 3/8	14- 1/8	7- 1/2	54.26
820-668CF ⁺	12X8	8	10-13/16	14- 1/4	15- 1/16	28- 1/2	30- 1/8	14- 1/8	9- 5/8	58.59
820-670CF ⁺	12X10	10-1/4	10-13/16	16-1/2	16- 1/16	33	32- 1/8	14- 1/8	11-15/16	80.00
820-691CF ⁺	14X2	5- 3/16	8- 9/16	12- 3/16	10- 5/16	24- 3/8	20- 5/8	15- 1/2	2-13/16	53.24
820-693CF ⁺	14X3	5- 3/4	9- 1/8	12- 3/4	11- 3/8	25- 1/2	22- 3/4	15- 1/2	4- 1/8	56.21
820-694CF ⁺	14X4	6- 1/2	10- 1/8	13- 1/2	12- 3/8	27	24- 3/4	15- 1/2	5- 3/16	61.76
820-696CF ⁺	14X6	8- 1/4	10- 1/2	15- 1/4	13- 3/4	30- 1/2	27- 1/2	15- 1/2	7- 1/2	72.85

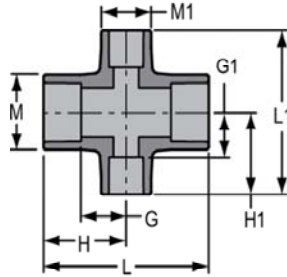


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Cross - Reducing

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-698CF [†]	14X8	9- 1/4	11- 3/8	16- 1/4	15- 5/8	32- 1/2	31- 1/4	15- 1/2	9- 5/8	84.42
820-700CF [†]	14X10	10- 1/8	11- 3/8	17- 1/8	16- 5/8	34- 1/4	33- 1/4	15- 1/2	11-15/16	90.19
820-702CF [†]	14X12	11	11- 3/8	18	17- 5/8	36	35- 1/4	15- 1/2	14- 1/8	117.29
820-751CF [†]	16X2	5- 7/8	9- 1/2	13- 7/8	11- 1/4	27- 3/4	22- 1/2	17-11/16	2-13/16	77.67
820-753CF [†]	16X3	6- 5/16	10- 1/16	14- 5/16	12- 5/16	28- 5/8	24- 5/8	17-11/16	4- 1/8	81.65
820-754CF [†]	16X4	6- 1/8	11- 1/16	14- 1/8	13- 5/16	28- 1/4	26- 5/8	17-11/16	5- 3/16	80.84
820-756CF [†]	16X6	8- 5/8	11- 7/16	16- 5/8	14-11/16	33- 1/4	29- 3/8	17-11/16	7- 1/2	98.57
820-758CF [†]	16X8	9- 5/8	12- 5/16	17- 5/8	16- 9/16	35- 1/4	33- 1/8	17-11/16	9- 5/8	111.25
820-760CF [†]	16X10	10-5/8	12-5/16	18-5/8	17-9/16	37-1/4	35-1/8	17-11/16	11-15/16	125.38
820-762CF [†]	16X12	11- 5/8	12- 5/16	19- 5/8	18- 9/16	39- 1/4	37- 1/8	17-11/16	14- 1/8	138.83
820-764CF [†]	16X14	12- 3/4	12-11/16	20- 3/4	19-11/16	41- 1/2	39- 3/8	17-11/16	15- 1/2	129.51
820-781CF [†]	18X2	5-13/16	10-3/8	14-13/16	12-1/8	29-5/8	24-1/4	19-7/8	2-13/16	98.27
820-783CF [†]	18X3	6-3/8	10-15/16	15-3/8	13-3/16	30-3/4	26-3/8	19-7/8	4-1/8	102.29
820-784CF [†]	18X4	6- 7/8	11-15/16	15- 7/8	14- 3/16	31- 3/4	28- 3/8	19- 7/8	5- 3/16	106.93
820-786CF [†]	18X6	8- 1/2	12- 5/16	17- 1/2	15- 9/16	35	31- 1/8	19- 7/8	7- 1/2	121.05
820-788CF [†]	18X8	9- 1/2	13- 3/16	18- 1/2	17- 7/16	37	34- 7/8	19- 7/8	9- 5/8	133.90
820-790CF [†]	18X10	10- 1/2	13- 3/16	19- 1/2	18- 7/16	39	36- 7/8	19- 7/8	11-15/16	149.71
820-792CF [†]	18X12	11- 1/2	13- 3/16	20- 1/2	19- 7/16	41	38- 7/8	19- 7/8	14- 1/8	.00
820-794CF [†]	18X14	12- 3/4	13- 9/16	21- 3/4	20- 9/16	43- 1/2	41- 1/8	19-7/8	15- 1/2	165.77
820-796CF [†]	18X16	13- 1/2	14- 3/16	22- 1/2	22- 3/16	45	44- 3/8	19-7/8	17-11/16	172.46
820-814CF [†]	20X4	7-11/16	12-7/8	17-11/16	15-1/8	35-3/8	30-1/4	22-1/16	5-3/16	148.90
820-816CF [†]	20X6	8-7/8	13-1/4	18-7/8	16-1/2	37-3/4	33	22-1/16	7-1/2	165.15
820-818CF [†]	20X8	9-7/8	14-1/8	19-7/8	18-3/8	39-3/4	36-3/4	22-1/16	9-5/8	180.23
820-820CF [†]	20X10	10-7/8	14-1/8	20-7/8	19-3/8	41-3/4	38-3/4	22-1/16	11-15/16	197.78
820-822CF [†]	20X12	11-7/8	14-1/8	21-7/8	20-3/8	43-3/4	40-3/4	22-1/16	14-1/8	217.92
820-824CF [†]	20X14	12-7/8	14-1/2	22-7/8	21-1/2	45-3/4	43	22-1/16	15-1/2	190.94
820-826CF [†]	20X16	14	15-1/8	24	23-1/8	48	46-1/4	22-1/16	17-11/16	210.27
820-828CF [†]	20X18	15	15	25	24	50	48	22-1/16	19-7/8	226.80
820-904CF [†]	24X4	9	14-11/16	21	16-15/16	42	33-7/8	26-7/16	5-3/16	252.62
820-906CF [†]	24X6	9-1/4	15-1/16	21-1/4	18-5/16	42-1/2	36-5/8	26-7/16	7-1/2	257.40
820-908CF [†]	24X8	10-1/4	15-15/16	22-1/4	20-3/16	44-1/2	40-3/8	26-7/16	9-5/8	275.67
820-910CF [†]	24X10	11-1/4	15-15/16	23-1/4	21-3/16	46-1/2	42-3/8	26-7/16	11-15/16	296.39
820-912CF [†]	24X12	12-1/4	15-15/16	24-1/4	22-3/16	48-1/2	44-3/8	26-7/16	14-1/8	325.12
820-914CF [†]	24X14	13-1/4	16-5/16	25-1/4	23-5/16	50-1/2	46-5/8	26-7/16	15-1/2	282.42
820-916CF [†]	24X16	14-3/4	16-15/16	26-3/4	24-15/16	53-1/2	49-7/8	26-7/16	17-11/16	306.44
820-918CF [†]	24X18	15-3/4	16-3/16	27-3/4	25-13/16	55-1/2	51-5/8	26-7/16	19-7/8	246.78
820-920CF [†]	24X20	16-3/4	18-3/8	28-3/4	28-3/16	57-1/2	56-3/8	26-7/16	22-1/16	351.59

[†] Sized with Bushing

* Fabricated

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Repair Coupling - Fabricated

Gasket x Gasket

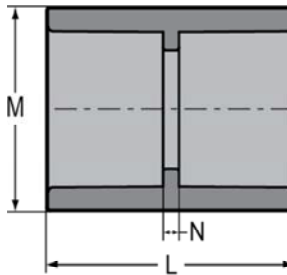


Part Number	Size	L	L1	M	M1	Approx. Wt. (Lbs.)
828-020CF*	2	9- 1/8	6	2-13/16	3- 3/16	1.00
828-030CF*	3	15- 1/2	11- 3/4	4- 1/8	4- 5/8	3.38
828-040CF*	4	19- 1/2	15	5- 3/16	5- 3/4	6.53
828-060CF*	6	23	18-1/4	7- 1/2	8- 1/8	13.41
828-080CF*	8	26-1/8	19	9- 5/8	10- 3/8	23.42
828-100CF*	10	28	21-1/4	11-15/16	13-1/8	37.92
828-120CF*	12	29	21-3/8	14- 1/8	15-3/8	53.28
828-140CF*	14	30	21	15- 1/2	17-1/4	68.61
828-160CF*	16	31	22-1/4	17-11/16	18-7/8	71.10
828-180CF*	18	32	22-5/8	19-7/8	21-7/8	127.70
828-200CF*	20	32	23-1/2	22-1/16	24-1/16	160.38
828-240CF*	24	32	23-1/2	22-7/16	24-13/16	236.00

* Fabricated

Coupling

Socket x Socket



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-002C	1/4	1- 3/8	27/32	3/32	.02
829-003C	3/8	1-5/8	1	3/32	.03
829-005C	1/2	1- 7/8	1-9/32	1/8	.07
829-007C	3/4	2-5/32	1-1/2	1/8	.10
829-010C	1	2-13/32	1-23/32	1/8	.16
829-012C	1-1/4	2-11/16	2-7/32	5/32	.17
829-015C	1-1/2	2- 7/8	2-11/32	3/32	.22
829-020C	2	3- 1/8	2-7/8	3/32	.32
829-025C	2-1/2	3-23/32	3-1/2	7/32	.58
829-030C	3	3-31/32	4-3/16	3/16	.81
829-040C	4	4-13/16	5-1/4	1/4	1.36
829-050C	5	5-15/32	6- 3/8	7/32	2.18
829-050CF*	5	8	6-5/16	2	3.41
829-060C	6	6-5/16	7-21/32	9/32	3.87
829-080C	8	8-9/32	9-3/4	9/32	6.77
829-100C	10	10- 9/32	12- 1/16	1/4	12.63

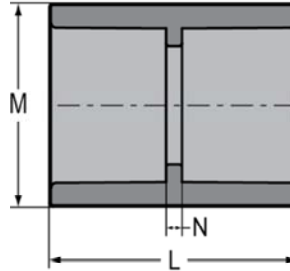


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Coupling

Socket x Socket

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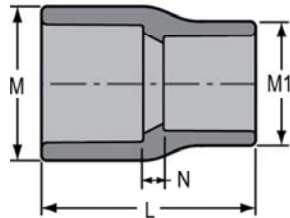


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-100CF*	10	13-1/8	11-15/16	2-5/8	15.68
829-120C	12	12-13/32	14-9/32	3/8	20.05
829-120CF*	12	15-1/4	14-1/8	2-3/4	25.85
829-140C	14	14- 7/16	15- 5/8	3/8	28.10
829-140CF*	14	16	15- 1/2	2	33.33
829-160CF*	16	19-3/4	17-11/16	3-3/4	54.79
829-180CF*	18	22	19- 7/8	4	72.88
829-200CF*	20	25-3/4	22- 1/16	5-3/4	102.09
829-240CF*	24	29- 1/4	26- 7/16	5- 1/4	167.66

* Fabricated

Coupling - Reducer

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-101C	3/4X1/2	2- 3/32	1-7/16	1-3/16	7/32	.06
829-130C	1X1/2	2- 3/16	1-23/32	1-13/32	3/16	.12
829-131C	1X3/4	2-3/8	1-23/32	1-13/32	7/32	.15
829-166C	1-1/4X1/2	2- 9/16	2- 3/32	1- 5/32	7/16	.14
829-167C	1-1/4X3/4	2-19/32	2- 3/32	1- 5/8	11/32	.17
829-168C	1-1/4X1	2-11/16	2-3/32	1-23/32	5/16	.18
829-209C	1-1/2X1/2	2-27/32	2-11/32	1- 3/16	9/16	.20
829-210C	1-1/2X3/4	2- 7/8	2-7/16	1-13/32	15/32	.22
829-211C	1-1/2X1	2- 7/8	2-13/32	1-15/16	11/32	.26
829-212C	1-1/2X1-1/4	2-13/16	2-13/32	2- 1/8	5/32	.22
829-247C	2X1/2	3- 3/32	2- 7/8	1- 5/32	11/16	.31
829-248C	2X3/4	3- 7/32	2- 7/8	1-7/16	11/16	.32
829-249C	2X1	3-1/2	3	1-3/4	13/16	.37
829-250C	2X1-1/4	3-1/4	2- 7/8	2- 3/32	1/2	.33
829-251C	2X1-1/2	3- 7/32	2-27/32	2-11/32	1/4	.31
829-290C ¹	2-1/2X1-1/4	3-29/32	3-1/2	2-3/8	7/8	.57
829-291C	2-1/2X1-1/2	3- 3/4	3- 1/2	2- 3/8	19/32	.50
829-292C	2-1/2X2	3-21/32	3-1/2	2-7/8	3/8	.51
829-335C ¹	3X1	4-1/4	4-3/16	2-29/32	1-7/32	1.02
829-336C ¹	3X1-1/4	4-3/16	4-3/16	2-29/32	1- 1/16	.98

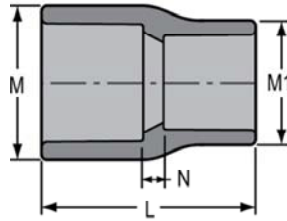
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Coupling - Reducer

Socket x Socket

(Continued)



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-337C ¹	3X1-1/2	3- 1/2	4- 3/16	2-3/8	7/32	.70
829-338C	3X2	4	4- 5/32	2-7/8	19/32	.77
829-339C	3X2-1/2	4-1/8	4- 5/32	3- 15/32	1/2	.79
829-339CF*	3X2-1/2	6	4- 1/16	3- 7/16	1- 3/4	1.01
829-416C ¹	4X3/4	5-23/32	5- 9/32	2-29/32	2-7/16	1.79
829-417C ¹	4X1	5-25/32	5- 9/32	2-29/32	2-13/32	1.77
829-419C ¹	4X1-1/2	5-23/32	5- 9/32	2-29/32	2- 1/16	1.67
829-420C	4X2	5- 1/2	5-5/16	2-29/32	1-23/32	1.52
829-421C	4X2-1/2	4-25/32	5-1/4	3- 1/2	25/32	1.27
829-422C	4X3	4-19/32	5- 1/4	4- 3/16	15/32	1.32
829-488CF*	5X3	8-1/8	6- 1/4	5- 3/16	3-1/4	3.30
829-490CF*	5X4	7- 3/4	6- 1/4	5- 3/16	2- 1/2	2.53
829-528C ¹	6X2	7- 1/16	7-19/32	5-9/32	2-1/2	4.55
829-529C ¹	6X2-1/2	6-31/32	7-9/16	5- 9/32	2- 3/16	4.71
829-530C ¹	6X3	7-1/16	7- 9/16	5- 9/32	2-5/32	4.30
829-530CF*	6X3	9-1/4	7-5/16	5-3/16	4-1/8	4.33
829-532C	6X4	6-21/32	7-19/32	5-9/32	1-3/8	3.44
829-533CF*	6X5	8-15/16	7-3/8	6-5/16	2-11/16	3.92
829-580CF*	8X3	15	9- 1/2	5- 3/16	8-7/8	8.74
829-582C ¹	8X4	8-7/8	9-3/4	5-9/32	2-9/16	6.43
829-582CF*	8X4	14- 5/8	9- 1/2	5- 3/16	8- 1/8	7.75
829-583CF*	8X5	14-11/16	9-1/2	6-5/16	7-7/16	8.30
829-585C	8X6	8-1/16	9- 3/4	7-19/32	1	6.48
829-621CF*	10X2	21- 1/2	11- 3/4	5- 3/16	14-3/4	17.04
829-623CF*	10X3	21-1/2	11- 3/4	5- 3/16	14-3/8	17.18
829-624CF*	10X4	21- 1/8	11- 3/4	5- 3/16	13- 5/8	16.03
829-625CF*	10X5	21- 3/16	11- 3/4	6- 5/16	12-15/16	16.94
829-626C	10X6	10-5/8	12- 1/32	7-19/32	2-5/8	11.46
829-626CF*	10X6	17- 5/8	11- 3/4	7- 1/2	9- 1/8	15.00
829-628C	10X8	10- 5/8	12-1/32	9- 3/4	1-5/8	11.62
829-628CF*	10X8	13- 3/8	11- 3/4	9- 5/8	3- 7/8	11.31
829-663CF*	12X3	28-3/4	13-15/16	5-3/16	20-5/8	29.95
829-664CF*	12X4	28- 3/8	13-15/16	5- 3/16	19- 7/8	29.44
829-665CF*	12X5	28- 7/16	13-15/16	6- 5/16	19- 3/16	32.82
829-666CF*	12X6	24- 7/8	13-15/16	7- 1/2	15- 3/8	29.92
829-668C	12X8	12- 5/8	14- 7/32	9- 3/4	2- 7/16	18.35
829-668CF*	12X8	20- 5/8	13-15/16	9- 5/8	10- 1/8	27.00
829-670CF*	12X10	16- 3/8	13-15/16	11-15/16	4- 7/8	20.77
829-694CF*	14X4	30- 1/8	15- 3/16	5- 3/16	20- 7/8	34.71
829-696CF*	14X6	26- 5/8	15- 3/16	7- 1/2	16- 3/8	31.45

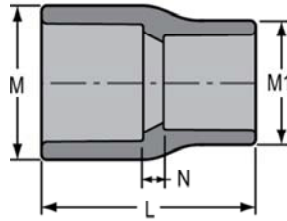


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Coupling - Reducer

(Continued)

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-698CF*	14X8	22- 3/8	15- 3/16	9- 5/8	11- 1/8	27.68
829-700CF*	14X10	18- 1/8	15- 3/16	11-15/16	5- 7/8	25.24
829-702CF*	14X12	17- 3/4	15- 3/8	14- 1/8	4- 1/2	29.29
829-754CF*	16X4	38	17- 3/8	5- 3/16	27- 3/4	53.88
829-756CF*	16X6	34- 1/2	17- 3/8	7- 1/2	23- 1/4	54.03
829-758CF*	16X8	30- 1/4	17- 3/8	9- 5/8	18	49.55
829-760CF*	16X10	26	17- 3/8	11-15/16	12- 3/4	45.61
829-762CF*	16X12	20- 1/4	17- 3/8	14- 1/8	6	35.57
829-764CF*	16X14	21- 1/4	17- 1/2	15- 1/2	5- 1/4	43.94
829-783CF*	18X3	47-3/4	19-11/16	5-3/16	36-7/8	106.50
829-784CF*	18X4	47- 3/8	19-11/16	5- 3/16	36- 1/8	105.64
829-786CF*	18X6	43- 7/8	19-11/16	7- 1/2	31- 5/8	104.71
829-788CF*	18X8	39- 5/8	19-11/16	9- 5/8	26- 3/8	100.55
829-790CF*	18X10	35- 3/8	19-11/16	11-15/16	21- 1/8	89.53
829-792CF*	18X12	29- 5/8	19-11/16	14- 1/8	14- 3/8	76.67
829-794CF*	18X14	29- 5/8	19-11/16	15- 1/2	13- 5/8	86.99
829-796CF*	18X16	23	19-11/16	17-11/16	6	63.70
829-814CF*	20X4	58	21-7/8	5-3/16	45-3/4	160.61
829-816CF*	20X6	54-1/2	21-7/8	7-1/2	41-1/4	159.69
829-818CF*	20X8	50- 1/4	21- 7/8	9- 5/8	36	155.53
829-820CF*	20X10	46	21-7/8	11-15/16	30-3/4	143.72
829-822CF*	20X12	40-1/4	21-7/8	14-1/8	24	138.43
829-824CF*	20X14	40-1/4	21-7/8	15-1/2	23-1/4	145.49
829-826CF*	20X16	33- 5/8	21- 7/8	17-11/16	15- 5/8	112.40
829-828CF*	20X18	25- 1/2	21- 7/8	19- 7/8	6- 1/2	88.55
829-904CF*	24X4	71-1/2	26-1/6	5-3/16	57-1/4	252.91
829-906CF*	24X6	68	26- 1/16	7- 1/2	52- 3/4	251.98
829-908CF*	24X8	63-3/4	26-1/16	9-5/8	47-1/2	247.82
829-910CF*	24X10	59-1/2	26-1/16	11-15/16	42-1/4	242.10
829-912CF*	24X12	53-3/4	26-1/16	14-1/8	35-1/2	230.72
829-914CF*	24X14	53-1/4	26-1/16	15-1/2	34-3/4	237.78
829-916CF*	24X16	47-1/8	26-1/16	17-11/16	27-1/8	214.52
829-918CF*	24X18	39	26- 1/16	19- 7/8	18	176.32
829-920CF*	24X20	30- 5/8	26- 1/16	22- 1/16	8- 5/8	128.81

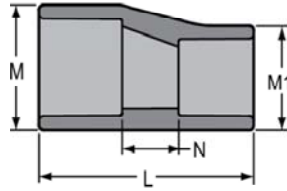
¹ Sized with Bushing
 * Fabricated

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Coupling - Eccentric Reducer

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-101CFE ⁺	3/4X1/2	3-7/16	1- 3/8	1- 1/8	1-7/16	.07
829-130CFE ⁺	1X1/2	4-1/16	1- 5/8	1- 1/8	1-13/16	.11
829-131CFE ⁺	1X3/4	4	1- 5/8	1-1/8	1- 3/4	.13
829-168CFE ⁺	1-1/4X1	4-1/2	2	1-11/16	1-3/4	.22
829-209CFE ²⁺	1-1/2X1/2	8	2- 1/4	1- 1/8	5-1/2	.33
829-210CFE ²⁺	1-1/2X3/4	7-15/16	2- 1/4	1- 3/8	5-7/16	.33
829-211CFE ⁺	1-1/2X1	5-5/16	2-1/4	1-11/16	2-9/16	.27
829-212CFE ⁺	1-1/2X1-1/4	4-9/16	2- 5/16	2- 1/16	1-9/16	.33
829-249CFE ⁺	2X1	6- 1/8	2- 3/4	1-11/16	3- 1/8	.41
829-250CFE ⁺	2X1-1/4	6- 1/8	2- 3/4	2- 1/16	2- 7/8	.40
829-251CFE ⁺	2X1-1/2	5-9/16	2- 3/4	2- 5/16	2-5/16	.48
829-289CFE ²⁺	2-1/2X1	10-3/8	3-5/16	1-11/16	7-1/8	.99
829-290CFE ²⁺	2-1/2X1-1/4	10-3/8	3- 5/16	2- 1/16	6-7/8	1.01
829-291CFE ²⁺	2-1/2X1-1/2	9-13/16	3- 5/16	2- 5/16	6-5/16	.99
829-292CFE ⁺	2-1/2X2	6-5/8	3- 5/16	2-13/16	2-7/8	.72
829-335CFE ²⁺	3X1	11- 7/8	3-15/16	1-11/16	8- 3/8	1.21
829-336CFE ²⁺	3X1-1/4	11- 7/8	3-15/16	2- 1/16	8- 1/8	1.21
829-337CFE ²⁺	3X1-1/2	11-5/16	3-15/16	2- 5/16	7-9/16	1.31
829-338EC	3X2	5-7/8	4-3/16	2-7/8	2-15/32	1.00
829-338CFE ⁺	3X2	8- 1/8	3-15/16	2-13/16	4- 1/8	1.07
829-339CFE ⁺	3X2-1/2	7- 1/4	4- 1/16	3- 7/16	3	1.23
829-417CFE ³⁺	4X1	17	5- 1/8	1-11/16	13- 1/2	2.66
829-418CFE ³⁺	4X1-1/4	17	5- 1/8	2- 1/16	13- 1/4	2.64
829-419CFE ³⁺	4X1-1/2	16-7/16	5- 1/8	2- 5/16	12-11/16	2.59
829-420CFE ²⁺	4X2	12-3/8	5- 1/8	2-13/16	8-5/8	2.82
829-421CFE ²⁺	4X2-1/2	12- 3/8	5- 1/8	3- 7/16	8- 1/8	2.62
829-422CFE ⁺	4X3	8- 3/4	5- 1/8	4- 1/8	4- 1/4	1.90
829-490CFE ⁺	5X4	10	6-1/4	5-3/16	4-3/4	3.14
829-528CFE ³⁺	6X2	20	7-5/16	2-7/8	15-1/4	5.39
829-529CFE ³⁺	6X2-1/2	20	7- 5/16	3- 7/16	14- 3/4	5.74
829-530CFE ²⁺	6X3	16- 3/8	7- 5/16	4- 1/8	10- 7/8	5.03
829-532CFE ⁺	6X4	11- 1/8	7- 5/16	5- 3/16	5- 5/8	3.74
829-533CFE ⁺	6X5	11-1/4	7-3/8	6-5/16	5	4.77
829-578CFE ⁴⁺	8X2	29-3/4	9- 1/2	2-7/8	24	12.97
829-580CFE ³⁺	8X3	26- 1/8	9- 1/2	4- 1/8	19- 5/8	12.51
829-582CFE ²⁺	8X4	20- 7/8	9- 1/2	5- 3/16	14- 3/8	11.11
829-583CFE ²⁺	8X5	21	9- 1/2	6- 5/16	13- 3/4	11.51
829-585CFE ⁺	8X6	15- 1/4	9- 1/2	7- 1/2	7- 3/4	9.77
829-624CFE ³⁺	10X4	32	11- 3/4	5- 3/16	24- 1/2	23.06

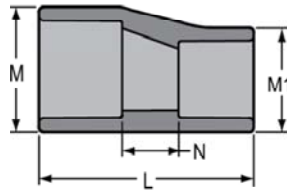


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Coupling - Eccentric Reducer

(Continued)

Socket x Socket

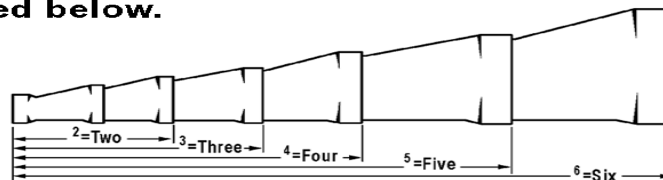


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-625CFE ^{3*}	10X5	32- 1/8	11- 3/4	6- 5/16	23- 7/8	23.12
829-626CFE ^{2*}	10X6	26-3/8	11- 3/4	7- 1/2	17-7/8	21.55
829-628CFE ^{1*}	10X8	18- 1/16	11- 3/4	9- 5/8	8- 9/16	16.14
829-664CFE ^{4*}	12X4	43- 1/2	13-15/16	5- 3/16	35	47.19
829-666CFE ^{3*}	12X6	37- 7/8	13-15/16	7- 1/2	28- 3/8	40.39
829-668CFE ^{2*}	12X8	29- 9/16	13-15/16	9- 5/8	19- 1/16	34.85
829-670CFE ^{1*}	12X10	20- 5/8	13-15/16	11-15/16	9- 1/8	26.05
829-696CFE ^{3*}	14X6	41- 3/8	15- 3/16	7- 1/2	31- 1/8	45.55
829-698CFE ^{2*}	14X8	33- 1/16	15- 3/16	9- 5/8	21-13/16	39.31
829-700CFE ^{1*}	14X10	24- 1/8	15- 3/16	11-15/16	11- 7/8	29.93
829-702CFE ^{1*}	14X12	20- 1/8	15- 3/8	14- 1/8	6- 7/8	35.17
829-756CFE ^{4*}	16X6	54- 1/4	17- 1/2	7- 1/2	43	81.83
829-758CFE ^{3*}	16X8	45-15/16	17- 1/2	9- 5/8	33-11/16	77.09
829-760CFE ^{2*}	16X10	37	17- 1/2	11-15/16	23- 3/4	67.18
829-762CFE ^{2*}	16X12	33	17- 1/2	14- 1/8	18- 3/4	71.77
829-764CFE ^{1*}	16X14	24- 5/8	17- 1/2	15- 1/2	9- 5/8	54.62
829-786CFE ^{5*}	18X6	69- 1/4	19-11/16	7- 1/2	57	59.26
829-788CFE ^{4*}	18X8	60-15/16	19-11/16	9- 5/8	47-11/16	148.97
829-790CFE ^{3*}	18X10	52	19-11/16	11-15/16	37- 3/4	124.66
829-792CFE ^{3*}	18X12	48	19-11/16	14- 1/8	32- 3/4	139.09
829-794CFE ^{2*}	18X14	39- 5/8	19-11/16	15- 1/2	23- 5/8	111.05
829-796CFE ^{1*}	18X16	28- 5/8	19-11/16	17-11/16	11- 5/8	85.64

* Fabricated

Eccentric Reducer Coupling Footnotes
Multi-Step Configurations

The number after the part number denotes steps listed below.



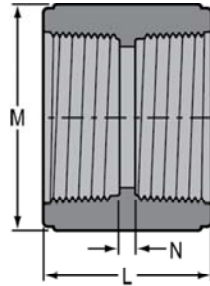
Example: 829-582CFE² (2 = 2 Step)

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Coupling

Fipt x Fipt

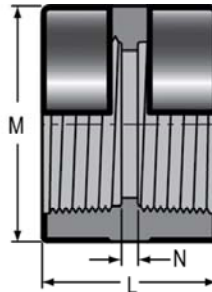


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-002C	1/4	1-5/16	27/32	5/32	.02
830-003C	3/8	1-15/32	1	5/16	.03
830-005C	1/2	1-19/32	1-13/32	5/32	.07
830-007C	3/4	1-11/16	1-17/32	1/8	.09
830-010C	1	2- 3/32	1-15/16	1/8	.15
830-012C	1-1/4	2-7/32	2- 9/32	3/16	.22
830-015C	1-1/2	2-1/4	2- 5/8	7/32	.29
830-020C	2	2- 7/32	3	7/32	.35
830-025C	2-1/2	3-11/32	3-21/32	3/16	.71
830-030C	3	3-17/32	4-13/32	11/16	1.12
830-040C	4	3-21/32	5- 9/16	3/16	1.61
830-060CF*	6	3- 3/4	7- 3/16	3/4	1.76
830-080CF*	8	4-1/2	9-3/8	1-1/16	3.32

* Fabricated

Coupling - Special Reinforced

SR Fipt x SR Fipt - Stainless Steel Collar



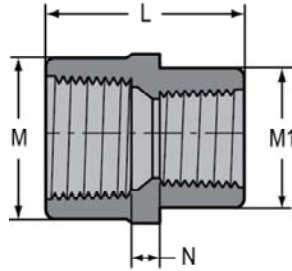
Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-005CSR	1/2	1-9/16	1-3/16	3/32	.06
830-007CSR	3/4	1-19/32	1- 3/8	3/32	.07
830-010CSR	1	1-15/16	1-11/16	5/32	.12
830-012CSR	1-1/4	2- 1/16	2- 1/16	5/32	.17
830-015CSR	1-1/2	2-3/16	2- 7/16	1/4	.25
830-020CSR	2	2- 1/4	3	7/32	.39



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Coupling - Reducer

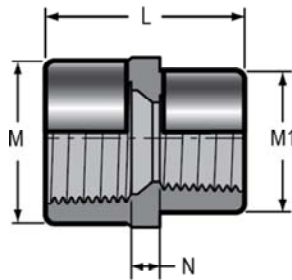
Fipt x Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-072C	1/2X1/4	1-29/32	1-7/32	1-5/32	5/8	.06
830-073C	1/2X3/8	1-15/16	1-7/32	1-5/32	5/8	.07
830-101C	3/4X1/2	1-11/16	1- 3/8	1-3/16	1/4	.06

Coupling - Special Reinforced Reducer

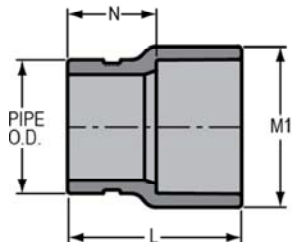
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-101CSR	3/4X1/2	1-3/4	1- 3/8	1-3/16	1/4	.08
830-130CSR	1X1/2	2-7/32	1-11/16	1-3/16	17/32	.17
830-131CSR	1X3/4	2-3/8	1-11/16	1- 3/8	11/16	.16
830-168CSR	1-1/4X1	2-11/16	2-1/16	1-11/16	13/16	.26
830-210CSR	1-1/2X3/4	2- 7/8	2- 7/16	1- 3/8	1- 7/32	.30
830-211CSR	1-1/2X1	2-7/8	2- 7/16	1-11/16	1-3/16	.32
830-212CSR	1-1/2X1-1/4	2-27/32	2-7/16	2-1/16	15/16	.34
830-249CSR	2X1	3- 3/16	3	1-11/16	1-5/16	.48
830-251CSR	2X1-1/2	3-7/32	3	2- 7/16	1-5/16	.52

Grooved Coupling Adapter

Groove x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-012C	1-1/4	2-27/32	2-3/32	1- 9/16	.16
833-015C	1-1/2	2-29/32	2-3/8	1- 1/2	.19
833-020C	2	3- 1/16	2- 7/8	1- 9/16	.29
833-025C	2-1/2	3-13/32	3- 1/2	1- 5/8	.52
833-030C	3	3- 9/16	4- 3/16	1-11/16	.72
833-040C	4	4-1/2	5- 1/4	2-7/32	1.37

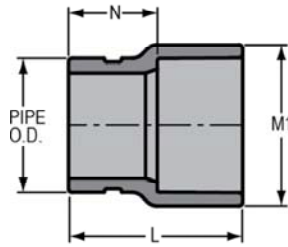
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Grooved Coupling Adapter

(Continued)

Groove x Socket

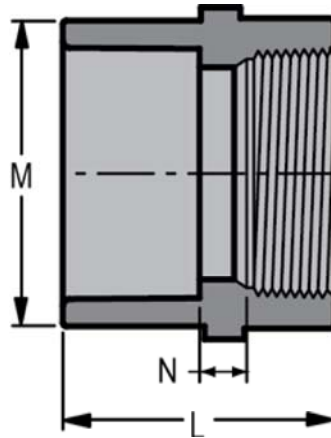


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-050CF*	5	7	6- 5/16	4	2.77
833-060C	6	5-11/16	7- 9/16	2-11/16	2.99
833-080CF*	8	8- 3/16	9- 5/8	3-15/16	6.59
833-100CF*	10	9- 7/8	11-15/16	4- 5/8	10.90
833-120CF*	12	10- 7/8	14- 1/8	4- 5/8	17.84

* Fabricated

Female Adapter

Socket x Fipt



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
835-002C	1/4	1-5/16	13/16	3/32	.02
835-003C	3/8	1-7/16	1	3/32	.03
835-098C	3/4X1/4	1-15/16	1-3/8	5/16	.06
835-005C	1/2	1-11/16	1-3/16	3/32	.05
835-007C	3/4	1-27/32	1-13/32	3/32	.08
835-010C	1	2-1/4	1-3/4	1/8	.13
835-012C	1-1/4	2-9/32	2-1/16	3/32	.16
835-015C	1-1/2	2- 1/2	2-5/16	1/8	.20
835-020C	2	2-11/16	3	1/4	.41
835-025C	2-1/2	3- 1/4	3- 9/16	7/32	.66
835-030C	3	3-1/2	4-5/32	7/32	.76
835-040C	4	3-15/16	5- 7/32	3/16	1.62
835-060C	6	4-31/32	7-21/32	1/4	3.22
835-060CF*	6	6-3/4	7-1/2	2	4.22
835-080C	8	6- 5/32	9-23/32	1/4	5.50
835-080CF*	8	8- 9/16	9- 5/8	2- 9/16	6.89
835-100CF*	10	10- 1/4	11-15/16	3	11.58
835-120CF*	12	11-1/2	14- 1/8	3	17.62

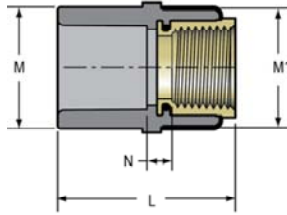
* Fabricated



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

**Female Adapter - Brass
 Transition**

Socket x Fipt With Brass Thread Insert

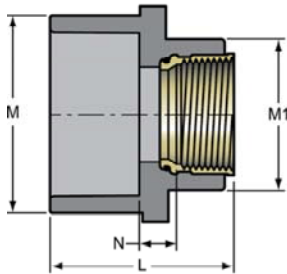


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-005CBR	1/2	1-25/32	1- 5/32	1-3/16	11/32	.12
835-007CBR	3/4	2	1-13/32	1- 3/8	11/32	.15
835-010CBR	1	2- 7/32	1- 3/4	1-11/16	11/32	.24
835-012CBR	1-1/4	2- 3/8	2- 3/32	2- 1/16	3/8	.34
835-015CBR	1-1/2	2-17/32	2-13/32	2- 7/16	13/32	.46
835-020CBR	2	2-25/32	2- 7/8	3- 3/16	7/16	1.03

Not intended to convey or dispense water for human consumption through drinking or cooking

**Female Adapter - Brass
 Transition Reducing**

Socket x Fipt With Brass Thread Insert

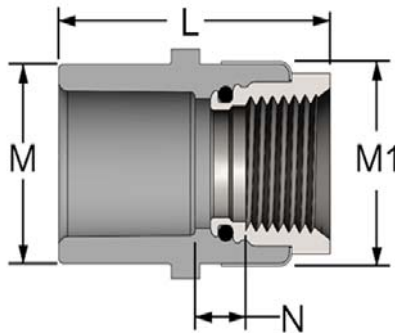


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-101CBR	3/4X1/2	2- 1/32	1- 7/16	1- 3/16	15/32	.13

Not intended to convey or dispense water for human consumption through drinking or cooking

**Female Adapter - Stainless
 Steel Transition**

Socket x Fipt With 316 Stainless steel Thread Insert
 NSF® Certified Lead Free



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-005CSS	1/2	1-25/32	1-5/32	1-3/16	11/32	.10
835-007CSS	3/4	2	1-3/8	1-13/32	1/4	.14
835-010CSS	1	2-1/4	1-23/32	1-11/16	15/32	.24
835-012CSS	1-1/4	2-3/8	2-3/32	2-1/16	3/8	.28

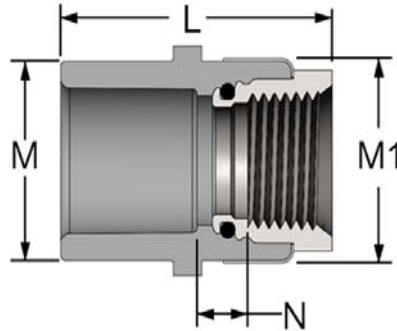
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Female Adapter - Stainless Steel Transition

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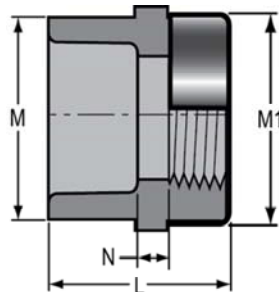
Socket x Fipt With 316 Stainless steel Thread Insert
 NSF® Certified Lead Free



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-015CSS	1-1/2	2-9/16	2-3/8	2-7/16	3/8	.64
835-020CSS	2	2-11/16	2-7/8	3	7/16	.84

Female Adapter - Special Reinforced

Socket x SR Fipt - Stainless Steel Collar



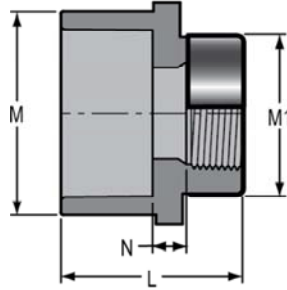
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-002CSR	1/4	1-13/32	27/32	27/32	3/32	.03
835-003CSR	3/8	1-15/32	15/16	31/32	3/32	.03
835-005CSR	1/2	1-23/32	1-5/32	1-3/16	3/32	.06
835-007CSR	3/4	1-7/8	1-13/32	1-3/8	3/32	.08
835-010CSR	1	2-5/32	1-23/32	1-11/16	3/32	.12
835-012CSR	1-1/4	2-5/16	2-3/32	2-1/16	3/32	.24
835-015CSR	1-1/2	2-7/16	2-13/32	2-7/16	3/32	.28
835-020CSR	2	2-23/32	3	3-1/32	1/4	.45
835-025CSR	2-1/2	3-9/32	3-9/16	3-9/16	3/16	.72
835-030CSR	3	3-1/2	4-1/4	4-9/32	3/32	1.01
835-040CSR	4	3-11/16	5-7/32	5-7/32	1/4	1.35
835-060CSR	6	4-31/32	7-21/32	7-21/32	1/4	3.16



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Female Adapter - Special Reinforced Reducing

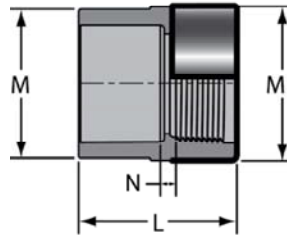
Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-074CSR	1/2X3/4	1-23/32	1- 3/16	1- 3/8	3/32	.07
835-098CSR	3/4X1/4	1-31/32	1-13/32	27/32	11/32	.06
835-101CSR	3/4X1/2	1-27/32	1- 3/8	1- 3/16	3/32	.07
835-102CSR	3/4X1	2-1/32	1- 7/16	1-11/16	3/32	.12
835-130CSR	1X1/2	2	1-11/16	1- 3/16	7/32	.10
835-131CSR	1X3/4	2- 3/32	1- 3/4	1- 3/8	1/4	.12

Female Adapter - Encapsulated Special Reinforced

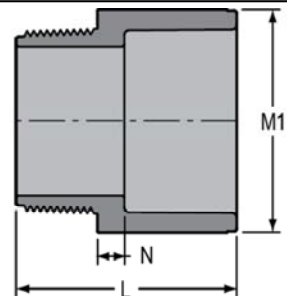
Socket x ESR Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-002CESR	1/4	1- 1/2	27/32	29/32	3/32	.03
835-003CESR	3/8	1-17/32	15/16	1- 1/32	3/32	.04
835-005CESR	1/2	1-27/32	1-5/32	1- 9/32	3/32	.07
835-007CESR	3/4	1-31/32	1-13/32	1-15/32	3/32	.09
835-010CESR	1	2- 1/4	1-23/32	1-25/32	3/32	.14
835-012CESR	1-1/4	2- 7/16	2-3/32	2- 5/32	1/8	.26
835-015CESR	1-1/2	2- 9/16	2-13/32	2- 1/2	7/32	.31
835-020CESR	2	2-27/32	3	3- 3/32	1/4	.48

Male Adapter

Mipt x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005C	1/2	1-23/32	1-9/32	3/16	.04
836-007C	3/4	1-29/32	1-7/16	7/32	.06
836-102C	3/4X1	2- 9/32	1- 3/4	17/32	.10
836-131C	1X3/4	2- 1/16	1-13/32	1/4	.12

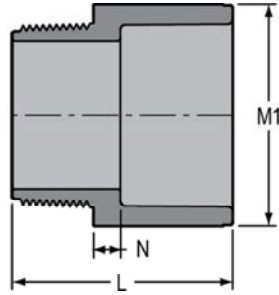
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Male Adapter

Mipt x Socket

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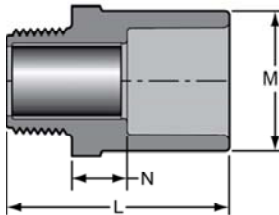
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-010C	1	2- 5/32	1-23/32	7/32	.10
836-012C	1-1/4	2- 1/4	2- 1/8	1/4	.15
836-015C	1-1/2	2-9/16	2-7/16	9/32	.19
836-020C	2	2- 7/8	2- 7/8	5/16	.30
836-025C	2-1/2	3-11/16	3-17/32	11/32	.53
836-030C	3	3-29/32	4-7/32	3/8	.77
836-040C	4	4-13/32	5- 5/16	13/32	1.18
836-050CF*	5	6	6-5/16	1-5/8	2.31
836-060C	6	5- 1/2	7- 9/16	19/32	3.03
836-060CF*	6	6-1/2	7-1/2	1-13/16	3.92
836-080CF*	8	8- 3/16	9- 5/8	2- 3/16	6.67
836-100CF*	10	10- 3/8	11-15/16	3- 3/16	11.27
836-120CF*	12	11- 1/8	14- 1/8	2- 3/4	22.93

* Fabricated

**Male Adapter -
 Internal Reinforced**

R Mipt x Socket - Stainless Steel Sleeve

NSF® Certified Lead Free



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005CR	1/2	2-1/8	1-3/16	9/16	.05
836-007CR	3/4	2- 1/4	1-13/32	9/16	.08
836-010CR	1	2-21/32	1-23/32	21/32	.15
836-012CR	1-1/4	2-15/16	2-1/8	21/32	.17
836-015CR	1-1/2	3-3/16	2- 3/8	3/4	.26
836-020CR	2	3-11/32	2-29/32	3/4	.29

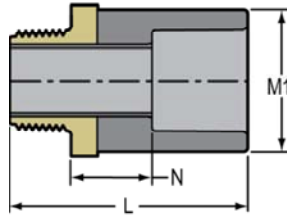




Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

**Male Adapter - CPVC Lined
 Brass Transition**

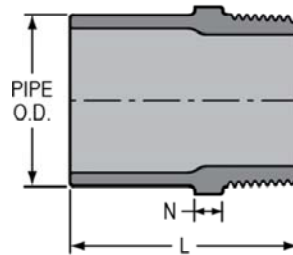
Brass Mipt x Socket
 NSF® Certified Lead Free



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005CBR	1/2	2-13/32	1- 9/32	1-3/16	.20
836-007CBR	3/4	2-17/32	1-13/32	13/16	.26
836-010CBR	1	2-15/16	1-23/32	29/32	.50
836-012CBR	1-1/4	3- 1/8	2- 3/32	31/32	.66
836-015CBR	1-1/2	3- 9/32	2-11/32	31/32	.80
836-020CBR	2	3- 7/16	2-27/32	1	1.07

Male Spigot Adapter

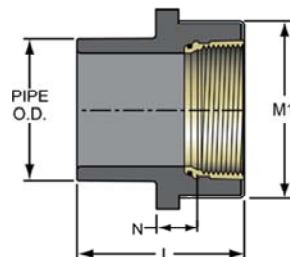
Spigot x Mipt



Part Number	Size	L	N	Approx. Wt. (Lbs.)
861-005C	1/2	1-13/16	1/4	.03
861-007C	3/4	1-31/32	1/4	.04
861-010C	1	2- 3/32	1/4	.07
861-131C	1X3/4	2	1/4	.07
861-012C	1-1/4	2- 9/32	9/32	.12
861-015C	1-1/2	2-7/16	5/16	.14
861-020C	2	2-11/16	3/8	.24

**Female Spigot Adapter - Brass
 Transition**

Spigot x Fipt With Brass Thread Insert



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-010CBR	1	2-9/32	1-11/16	7/16	.22

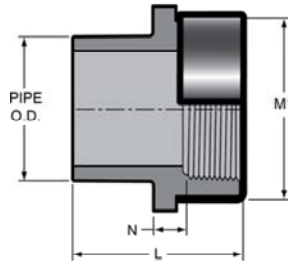
Not intended to convey or dispense water for human consumption through drinking or cooking

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



**Female Spigot Adapter -
 Special Reinforced**

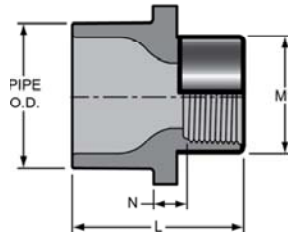
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-005CSR	1/2	1- 3/4	1- 3/16	1/8	.05
878-007CSR	3/4	1-15/16	1- 3/8	3/16	.07
878-010CSR	1	2- 1/4	1-23/32	7/32	.12
878-012CSR	1-1/4	2-15/32	2- 1/16	1/4	.18
878-015CSR	1-1/2	2-21/32	2- 7/16	9/32	.26
878-020CSR	2	2-13/16	3	9/32	.40
878-030CSR	3	3-27/32	4- 9/32	5/16	.96
878-040CSR	4	4- 3/8	5- 1/4	5/8	1.42

**Female Spigot Adapter -
 Special Reinforced Reducing**

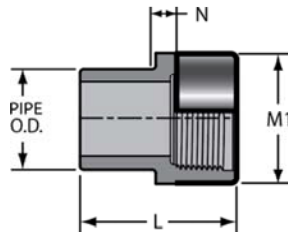
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-072CSR	1/2X1/4	1-13/32	27/32	1/8	.03
878-098CSR	3/4X1/4	1-27/32	27/32	7/32	.05
878-128CSR	1X1/4	2- 3/8	27/32	21/32	.08

**Female Spigot Adapter -
 Encapsulated Special Reinforced**

Spigot x ESR Fipt



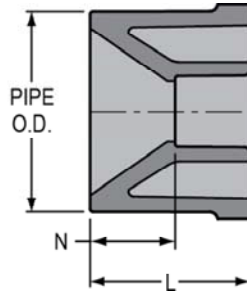
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-005CESR	1/2	1- 7/8	1- 9/32	1/8	.06
878-007CESR	3/4	2- 1/16	1-15/32	5/32	.09
878-010CESR	1	2- 3/8	1-25/32	7/32	.14
878-012CESR	1-1/4	2-9/16	2- 5/32	1/4	.20
878-015CESR	1-1/2	2-25/32	2- 1/2	9/32	.29
878-020CESR	2	2-29/32	3- 3/32	9/32	.43



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

**Reducer Bushing
 Flush Style**

Spigot x Socket



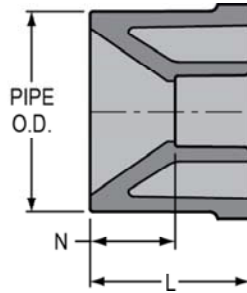
Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-052C	3/8X1/4	31/32	5/16	.01
837-072C	1/2X1/4	1- 3/32	13/32	.02
837-073C	1/2X3/8	1- 1/8	11/32	.01
837-101C	3/4X1/2	1-1/4	3/8	.02
837-129C ¹	1X3/8	1-3/8	27/32	.08
837-130C	1X1/2	1-3/8	1/2	.06
837-131C	1X3/4	1-11/32	5/16	.03
837-166C	1-1/4X1/2	1- 1/2	5/8	.12
837-167C	1-1/4X3/4	1-13/32	13/32	.09
837-168C	1-1/4X1	1-13/32	9/32	.06
837-209C	1-1/2X1/2	1-23/32	13/16	.15
837-210C	1-1/2X3/4	1-5/8	5/8	.16
837-211C	1-1/2X1	1-19/32	13/32	.12
837-212C	1-1/2X1-1/4	1-17/32	9/32	.06
837-247C	2X1/2	1-29/32	1	.29
837-248C	2X3/4	1-23/32	23/32	.27
837-249C	2X1	1-3/4	5/8	.24
837-250C	2X1-1/4	1-11/16	7/16	.20
837-251C	2X1-1/2	1-3/4	11/32	.15
837-289C	2-1/2X1	2-1/32	29/32	.43
837-290C	2-1/2X1-1/4	2-5/32	13/32	.46
837-291C	2-1/2X1-1/2	2-5/32	3/4	.40
837-292C	2-1/2X2	2-9/32	3/4	.29
837-333C	3X1/2	2-3/16	1-5/16	.64
837-334C ¹	3X3/4	2-3/8	1-3/8	.70
837-335C	3X1	2-9/32	1-1/8	.66
837-336C	3X1-1/4	2-1/4	1	.70
837-337C	3X1-1/2	2-9/32	7/8	.66
837-338C	3X2	2-7/32	9/16	.63
837-339C	3X2-1/2	2-11/32	9/32	.43
837-419C	4X1-1/2	2-19/32	1-3/16	1.07
837-420C	4X2	2-21/32	1-1/8	1.10
837-421C	4X2-1/2	2-17/32	25/32	1.07
837-422C	4X3	2-5/8	3/4	.85
837-490C	5X4	2-31/32	23/32	1.35
837-490CF ²	5X4	3	3/4	1.56
837-525C ¹	6X1	3-13/16	2-11/16	3.25
837-528C	6X2	3-1/2	2	3.00
837-529C ¹	6X2-1/2	3-7/8	1-13/16	3.46
837-530C	6X3	3-17/32	2-1/8	3.05
837-532C	6X4	3-9/16	1- 1/4	2.90
837-533CF ²	6X5	3	7/16	1.75
837-534C	6X5	3-17/32	7/8	2.05
837-578C ¹	8X2	4-15/16	3-3/8	7.25

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



**Reducer Bushing
 Flush Style**

Spigot x Socket



(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-580C ¹	8X3	4-7/8	3	7.00
837-582C	8X4	4- 1/2	2- 1/4	6.14
837-583CF [*]	8X5	4-7/16	1-3/4	7.12
837-585C	8X6	4-3/8	1-3/8	5.36
837-624C ¹	10X4	6	3-3/4	13.30
837-626C	10X6	5-5/16	2-5/16	10.39
837-628C	10X8	5-11/32	1-5/16	10.55
837-628CF [*]	10X8	5-1/4	1-1/4	8.43
837-663CF [*]	12X3	6-7/8	5	25.76
837-666CF [*]	12X6	6-3/8	3-5/16	22.70
837-668C	12X8	6-7/8	2-7/16	16.29
837-670CF [*]	12X10	6	1	12.31
837-696CF [*]	14X6	7-3/4	4-11/16	31.99
837-698CF [*]	14X8	7-5/16	3-5/16	26.62
837-700CF [*]	14X10	7-5/16	2-5/16	22.64
837-702CF [*]	14X12	7	1	10.33
837-756CF [*]	16X6	8-3/4	5-11/16	47.20
837-754CF	16X4	8-13/16	6-13/16	47.37
837-758CF [*]	16X8	8-5/16	4-5/16	42.24
837-760CF [*]	16X10	8-5/16	3-5/16	42.68
837-762CF [*]	16X12	8	2	31.01
837-764CF [*]	16X14	8	1	20.03
837-786CF [*]	18X6	9-3/4	6-11/16	79.67
837-788CF [*]	18X8	9-5/16	5-5/16	73.66
837-790CF [*]	18X10	9-5/16	4-5/16	69.68
837-792CF [*]	18X12	9	3	57.37
837-794CF [*]	18X14	9	2	47.03
837-796CF [*]	18X16	9	1	27.00
837-816CF [*]	20X6	9-3/4	6-11/16	113.65
837-818CF [*]	20X8	10-5/16	6-5/16	106.59
837-820CF [*]	20X10	10-5/16	5-5/16	103.25
837-822CF [*]	20X12	10	4	90.94
837-824CF [*]	20X14	10	3	79.96
837-826CF [*]	20X16	10	2	59.92
837-828CF [*]	20X18	10	1	32.92

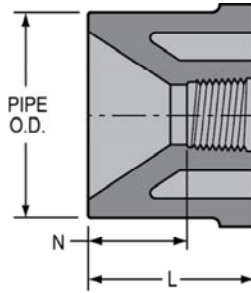
¹ Sized with Bushing
^{*} Fabricated



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

**Reducer Bushing
 Flush Style**

Spigot x Fipt



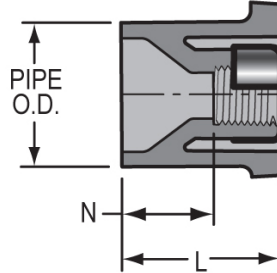
Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-052C	3/8X1/4	15/16	3/8	.01
838-071C	1/2X1/8	1	9/16	.02
838-072C	1/2X1/4	1	13/32	.01
838-073C	1/2X3/8	1- 3/32	17/32	.01
838-098C	3/4X1/4	1- 7/32	5/8	.04
838-099C	3/4X3/8	1- 1/4	21/32	.03
838-101C	3/4X1/2	1-1/4	1/2	.02
838-129C	1X3/8	1-13/32	13/32	.06
838-130C	1X1/2	1-3/8	5/8	.06
838-131C	1X3/4	1- 3/8	21/32	.05
838-166C	1-1/4X1/2	1-9/16	13/16	.11
838-167C	1-1/4X3/4	1-15/32	3/4	.09
838-168C	1-1/4X1	1-7/16	1/2	.09
838-207C	1-1/2X1/4	1- 9/16	15/16	.15
838-209C	1-1/2X1/2	1-23/32	1	.16
838-210C	1-1/2X3/4	1-23/32	29/32	.14
838-211C	1-1/2X1	1-23/32	13/16	.15
838-212C	1-1/2X1-1/4	1- 1/2	9/16	.10
838-247C	2X1/2	1-29/32	1-3/16	.27
838-248C	2X3/4	1-29/32	1- 5/32	.30
838-249C	2X1	1-7/8	1	.26
838-250C	2X1-1/4	1-29/32	7/8	.25
838-251C	2X1-1/2	1-29/32	15/16	.20
838-287C	2-1/2X1/2	2- 3/8	1-21/32	.45
838-288C	2-1/2X3/4	2- 7/16	1- 5/8	.48
838-289C	2-1/2X1	2-1/8	1-7/32	.41
838-290C	2-1/2X1-1/4	2-3/8	1-7/32	.45
838-291C	2-1/2X1-1/2	2- 3/8	1-13/32	.51
838-292C	2-1/2X2	2-1/32	1- 1/16	.26
838-334C	3X3/4	2- 9/32	1-17/32	.62
838-335C	3X1	2-1/4	1-3/8	.61
838-336C	3X1-1/4	2-9/32	1-11/32	.61
838-337C	3X1-1/2	2-9/32	1-5/16	.74
838-338C	3X2	2- 3/16	1- 7/32	.57
838-339C	3X2-1/2	2- 3/8	13/16	.50
838-420C	4X2	2-21/32	1-21/32	1.19
838-421C	4X2-1/2	2-21/32	1-5/32	1.10
838-422C	4X3	2- 5/8	1-1/32	.84
838-528C	6X2	3-1/2	2-1/2	2.77
838-530C	6X3	3-17/32	2- 1/8	3.14
838-532C	6X4	3-17/32	2- 1/32	2.79

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



**Reducer Bushing -
 Special Reinforced**

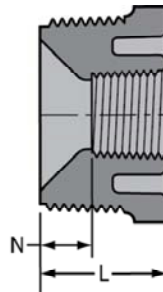
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-128CSR	1X1/4	1-13/32	25/32	.08
838-207CSR	1-1/2X1/4	1- 9/16	15/16	.16
838-209CSR	1-1/2X1/2	1-23/32	1	.17
838-210CSR	1-1/2X3/4	1-23/32	29/32	.16
838-247CSR	2X1/2	1-29/32	1-3/16	.28
838-248CSR	2X3/4	1-29/32	1- 5/32	.29
838-249CSR	2X1	1- 7/8	31/32	.31
838-334CSR	3X3/4	2- 9/32	1-17/32	.62
838-335CSR	3X1	2-1/4	1-3/8	.68
838-336CSR	3X1-1/4	2-9/32	1-11/32	.63
838-337CSR	3X1-1/2	2-9/32	1-5/16	.64
838-528CSR	6X2	3- 1/2	2-1/2	2.73
838-530CSR	6X3	3-17/32	2- 1/8	3.07
838-532CSR	6X4	3-27/32	2	2.75

**Reducer Bushing (T.T.) Flush
 Style**

Mipt x Fipt



Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-041C	1/4X1/8	23/32	5/16	.00
839-052C	3/8X1/4	25/32	3/16	.01
839-072C	1/2X1/4	7/8	5/16	.01
839-073C	1/2X3/8	15/16	11/32	.01
839-098C	3/4X1/4	1	7/16	.03
839-099C	3/4X3/8	1	7/16	.03
839-101C	3/4X1/2	15/16	3/16	.01
839-128C	1X1/4	1-7/32	5/8	.05
839-129C	1X3/8	1- 7/32	5/8	.05
839-130C	1X1/2	1-7/32	15/32	.05
839-131C	1X3/4	1-1/4	15/32	.04
839-166C	1-1/4X1/2	1-9/32	9/16	.09
839-167C	1-1/4X3/4	1- 9/32	9/16	.08
839-168C	1-1/4X1	1- 9/32	5/16	.06
839-209C	1-1/2X1/2	1-11/32	19/32	.12
839-210C	1-1/2X3/4	1-11/32	19/32	.12
839-211C	1-1/2X1	1-11/32	7/16	.10

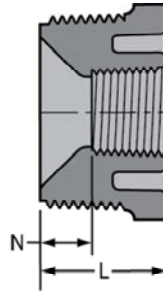


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Reducer Bushing (T.T.) Flush Style

(Continued)

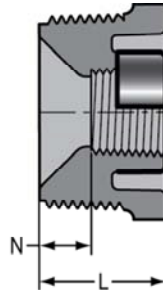
Mipt x Fipt



Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-212C	1-1/2X1-1/4	1-11/32	13/32	.06
839-247C	2X1/2	1- 3/8	21/32	.18
839-248C	2X3/4	1- 3/8	5/8	.18
839-249C	2X1	1- 3/8	15/32	.18
839-250C	2X1-1/4	1- 3/8	7/16	.16
839-251C	2X1-1/2	1- 3/8	13/32	.12
839-292C	2-1/2X2	1-7/8	7/8	.22
839-337C	3X1-1/2	1-15/16	15/16	.52
839-338C	3X2	1-15/16	15/16	.46
839-339C	3X2-1/2	1-15/16	5/8	.38
839-420C	4X2	2- 1/8	1- 1/8	.86
839-422C	4X3	2- 1/8	1/2	.74
839-532C	6X4	3-17/32	1-13/16	3.05

Reducer Bushing - Special Reinforced Reducing Flush Style

Mipt x SR Fipt - Stainless Steel Collar

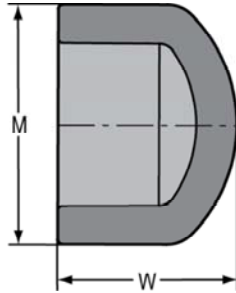


Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-209CSR	1-1/2X1/2	1-11/32	19/32	.12
839-210CSR	1-1/2X3/4	1-11/32	19/32	.12
839-247CSR	2X1/2	1- 3/8	21/32	.18
839-248CSR	2X3/4	1- 3/8	5/8	.18
839-249CSR	2X1	1- 3/8	15/32	.20
839-420CSR	4X2	2- 1/8	1- 1/8	.90

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



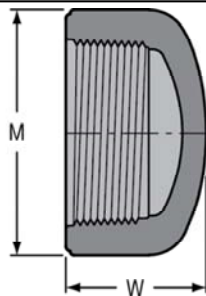
Cap
 Socket



Part Number	Size	M	W	Approx. Wt. (Lbs.)
847-002C	1/4	13/16	29/32	.01
847-003C	3/8	31/32	1- 1/8	.02
847-005C	1/2	1- 3/16	1- 7/32	.03
847-007C	3/4	1- 3/8	1-13/32	.04
847-010C	1	1-11/16	1- 5/8	.08
847-012C	1-1/4	2- 3/32	1-27/32	.12
847-015C	1-1/2	2-11/32	2	.17
847-020C	2	2-27/32	2- 9/32	.26
847-025C	2-1/2	3-17/32	2- 5/8	.46
847-030C	3	4- 5/32	3- 1/32	.73
847-040C	4	5-7/32	3-15/16	1.36
847-050CF*	5	6-1/2	4-7/16	1.98
847-060C	6	7-9/16	5-15/32	3.42
847-080C	8	9-23/32	7-5/32	6.93
847-100CF*	10	12- 1/4	5-15/16	7.48
847-120CF*	12	14- 1/4	7- 1/8	12.11
847-140CF*	14	15- 1/2	7- 3/8	14.71
847-160CF*	16	17- 7/8	9	24.00
847-180CF*	18	19-15/16	9-1/4	28.87
847-200CF*	20	22	14-1/4	45.81
847-240CF*	24	26-3/8	17-1/4	270.65

* Fabricated

Cap
 Fipt



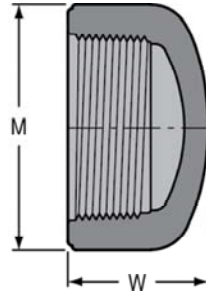
Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-002C	1/4	13/16	13/16	.01
848-003C	3/8	15/16	7/8	.01
848-005C	1/2	1- 3/16	1- 1/16	.03
848-007C	3/4	1- 3/8	1-3/32	.04
848-010C	1	1-27/32	1- 7/16	.10
848-012C	1-1/4	2- 7/32	1-17/32	.15
848-015C	1-1/2	2-17/32	1-19/32	.20
848-020C	2	3-1/16	1-13/16	.29



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Cap
 Fipt

(Continued)

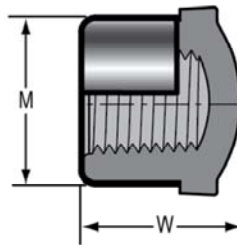


Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-025C	2-1/2	3-11/16	2-15/32	.58
848-030C	3	4- 3/8	2- 7/16	.77
848-040C	4	5-17/32	3	1.37
848-060CF*	6	7-3/16	4-3/8	2.20
848-080CF*	8	9-3/8	4-3/8	3.76
848-100CF*	10	11-5/8	5-3/4	34.40
848-120CF*	12	13-13/16	6-3/16	10.24

* Fabricated

Cap - Special Reinforced

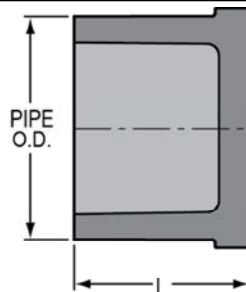
SR Fipt - Stainless Steel Collar



Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-002CSR	1/4	27/32	27/32	.01
848-003CSR	3/8	31/32	29/32	.02
848-005CSR	1/2	1-3/16	1-1/16	.04
848-007CSR	3/4	1- 3/8	1- 3/32	.05
848-030CSR	3	4- 9/32	2- 7/16	.84

Plug

Spigot



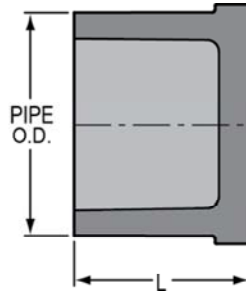
Part Number	Size	L	Approx. Wt. (Lbs.)
849-005C	1/2	1-5/32	.03
849-007C	3/4	1- 1/4	.03
849-010C	1	1- 3/8	.06
849-012C	1-1/4	1-17/32	.10

Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Plug
 Spigot

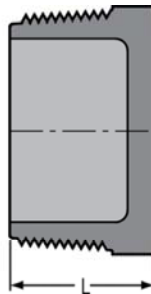
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Part Number	Size	L	Approx. Wt. (Lbs.)
849-015C	1-1/2	1-11/16	.14
849-020C	2	1- 7/8	.22
849-025CF ^{4*}	2-1/2	5- 3/8	1.12
849-030CF ^{4*}	3	5-7/8	1.55
849-040CF ^{4*}	4	6-15/16	2.66
849-060CF ^{4*}	6	9-5/8	6.75
849-080CF ^{4*}	8	12-3/16	13.50
849-100CF ^{4*}	10	12-1/4	17.99
849-120CF ^{4*}	12	14-1/8	28.85
849-140CF ^{4*}	14	15-3/8	39.91
849-160CF ^{4*}	16	18	57.90
849-180CF ^{4*}	18	19-1/4	74.02
849-200CF ^{4*}	20	25-1/4	76.91
849-240CF ^{4*}	24	30-1/4	208.48

⁴ Plug fabricated using Cap and pipe spigot.
 * Fabricated

Plug
 Mipt



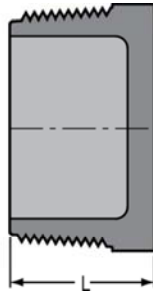
Part Number	Size	L	Approx. Wt. (Lbs.)
850-002C	1/4	23/32	.01
850-003C	3/8	3/4	.01
850-005C	1/2	27/32	.01
850-007C	3/4	7/8	.02
850-010C	1	1- 1/16	.05
850-012C	1-1/4	1-5/16	.07
850-015C	1-1/2	1-3/8	.10
850-020C	2	1- 3/8	.16
850-025C	2-1/2	1-13/16	.29
850-030C	3	1- 7/8	.45
850-040C	4	2-1/8	.81
850-060C	6	2- 3/32	1.79
850-060CF ^{4*}	6	7-1/2	5.50
850-080C	8	2-13/32	3.53



Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Plug
 Mipt

(Continued)

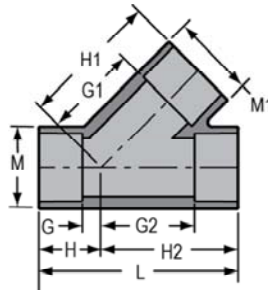


Part Number	Size	L	Approx. Wt. (Lbs.)
850-080CF ^{4*}	8	9-11/16	12.18
850-100CF ^{4*}	10	8- 7/16	13.76
850-120CF ^{4*}	12	10-5/8	24.34

⁴ Plug fabricated using Cap and threaded pipe.
 * Fabricated

Wye

Socket x Socket
 1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - 10" & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 12" 80 psi Maximum Internal Pressure Rating @ 73°F (23°C)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
875-005C	1/2	1/4	1-3/16	1-3/16	1-5/32	2- 1/16	2-1/16	3-7/32	1- 5/32	1- 5/32	.12
875-007C	3/4	9/32	1-13/32	1-13/32	1-9/32	2-13/32	2-13/32	3-11/16	1- 3/8	1- 3/8	.19
875-010C	1	11/32	1- 3/4	1- 3/4	1-15/32	2-7/8	2- 7/8	4-11/32	1-11/16	1-11/16	.32
875-012C	1-1/4	13/32	2-3/16	2-3/16	1-21/32	3-15/32	3-15/32	5-1/8	2- 1/16	2- 1/16	.52
875-015C	1-1/2	15/32	2-19/32	2-19/32	1-27/32	3-31/32	3-31/32	5-13/16	2-11/32	2-11/32	.73
875-020C	2	5/8	3- 7/32	3- 7/32	2- 5/32	4-23/32	4-23/32	6- 7/8	2- 7/8	2- 7/8	1.27
875-025C	2-1/2	27/32	3-31/32	3-31/32	2-19/32	5-23/32	5-23/32	8- 5/16	3- 1/2	3- 1/2	2.04
875-030C	3	31/32	4- 3/4	4-3/4	2-7/8	6- 5/8	6-5/8	9- 1/2	4- 3/16	4- 3/16	3.12
875-040C	4	1-7/32	6- 1/32	6- 1/32	3-15/32	8- 9/32	8- 9/32	11-3/4	5- 1/4	5- 1/4	5.35
875-060C	6	1-13/32	8-21/32	8-1/16	4-13/32	11-21/32	11-1/16	15-15/32	7- 9/16	7- 9/16	13.21
875-080C	8	2-1/32	11-9/32	11-9/32	6-1/32	15-9/32	15-9/32	21- 5/16	9- 3/4	9- 3/4	28.12
875-080CF ^{2*}	8	5- 1/16	15- 7/8	13-11/16	9- 5/16	20- 1/8	17-15/16	27- 1/4	9- 5/8	9- 5/8	37.70
875-100CF ^{2*}	10	6- 1/2	18- 7/8	17- 1/4	11- 3/4	24- 1/8	22- 1/2	34- 1/4	11-15/16	11-15/16	73.03
875-120CF ^{2*}	12	7- 1/8	21-13/16	19- 7/8	13- 3/8	28- 1/16	26- 1/8	39- 1/2	14- 1/8	14- 1/8	111.12
875-140CF ^{2*}	14	9-13/16	23-13/16	23-13/16	16-13/16	30-13/16	30-13/16	47- 5/8	15- 1/2	15- 1/2	159.14
875-160CF ^{2*}	16	10- 1/8	26- 1/8	26- 1/8	18- 1/8	34- 1/8	34- 1/8	52- 1/4	17-11/16	17-11/16	211.72
875-180CF ^{2*}	18	10	29- 3/8	28	19	38- 3/8	37	56	19- 7/8	19- 7/8	292.03
875-200CF ^{2*}	20	11-5/8	31-5/8	31-5/8	21-5/8	41-5/8	41-5/8	63-1/4	22-1/16	22-1/16	374.67
875-240CF ^{2*}	24	14-1/4	38-1/4	38-1/4	26-1/4	50-1/4	50-1/4	76-1/2	26-7/16	26-7/16	719.95

² Fiberglass reinforced.
 * Fabricated

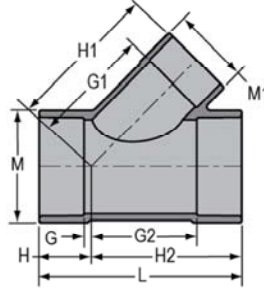
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Wye - Reducing

Socket x Socket x Socket

1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - 10" & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 12" 80 psi Maximum Internal Pressure Rating @ 73°F (23°C)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
875-167C ¹	1-1/4X3/4	13/32	2-9/32	2-3/16	1-21/32	3-5/8	3-15/32	5- 1/8	2- 1/16	2- 1/16	.62
875-168C ¹	1-1/4X1	13/32	2-15/32	2-3/16	1-21/32	3-5/8	3-15/32	5- 1/8	2- 1/16	2- 1/16	.59
875-200CF ²	20	11-5/8	31-5/8	31-5/8	21-5/8	41-5/8	41-5/8	63-1/4	22-1/16	22-1/16	374.67
875-210C ¹	1-1/2X3/4	1/2	3- 1/2	2- 9/16	1- 7/8	4- 1/2	3-15/16	5-13/16	2-11/32	2-11/32	.90
875-211C ¹	1-1/2X1	15/32	3	2-19/32	1-27/32	4-1/8	3-31/32	5-13/16	2-11/32	2-11/32	.86
875-212C ¹	1-1/2X1-1/4	15/32	2-7/8	2-19/32	1-27/32	4-1/8	3-31/32	5-13/16	2-11/32	2-11/32	.80
875-240CF ²	24	14-1/4	38-1/4	38-1/4	26-1/4	50-1/4	50-1/4	76-1/2	26-7/16	26-7/16	719.95
875-248C ¹	2X3/4	5/8	4- 5/32	3- 7/32	2- 5/32	5- 5/32	4- 7/8	6- 7/8	2- 7/8	2- 7/8	1.55
875-250C ¹	2X1-1/4	5/8	3-21/32	3-7/32	2- 5/32	4-15/16	4-23/32	6- 7/8	2- 7/8	2- 7/8	1.48
875-251C ¹	2X1-1/2	5/8	3-3/4	3-7/32	2-5/32	5-1/8	4-23/32	6- 7/8	2- 7/8	2- 7/8	1.43
875-335C ¹	3X1	31/32	5- 7/8	4-3/4	2-7/8	7-1/32	6-5/8	9-1/2	4- 3/16	4- 3/16	3.79
875-336C ¹	3X1-1/4	31/32	5- 3/4	4-3/4	2-7/8	7-1/32	6-5/8	9-1/2	4- 3/16	4- 3/16	3.83
875-337C ¹	3X1-1/2	31/32	5-3/4	4-3/4	2-7/8	7-1/32	6-5/8	9-1/2	4-3/16	4-3/16	3.79
875-338C ¹	3X2	31/32	5-7/16	4- 3/4	2- 7/8	6-31/32	6- 5/8	9- 1/2	4- 3/16	4- 3/16	3.76
875-339C ¹	3X2-1/2	31/32	4-15/16	4-3/4	2-7/8	7-1/32	6-5/8	9-1/2	4- 3/16	4- 3/16	3.53
875-420C	4X2	3/32	4-7/8	4-15/32	2-5/32	6-3/8	6-3/4	8-29/32	5-1/4	2-7/8	3.13
875-422C	4X3	5/8	5- 7/16	5-9/32	2-7/8	7- 5/16	7-1/2	10-3/8	5- 1/4	4-5/32	4.18
875-528C ¹	6X2	0	8-23/32	6-11/16	3	10-1/4	9-11/16	12-11/16	7- 9/16	5- 7/16	11.18
875-528CF ²	6X2	1-15/16	9- 3/16	8- 9/16	5- 3/16	10-15/16	11-13/16	17	7- 1/2	2-13/16	12.18
875-530C ¹	6X3	0	8-11/32	6-11/16	3	10- 1/4	9-11/16	12-11/16	7- 9/16	5-7/16	10.94
875-530CF ²	6X3	2-15/16	10- 5/16	9- 9/16	6- 3/16	12- 9/16	12-13/16	19	7- 1/2	4- 1/8	14.44
875-532C	6X4	0	7-5/8	6-11/16	3	9-7/8	9-11/16	12-11/16	7- 9/16	5- 7/16	10.08
875-578C ¹	8X2	15/32	10-3/16	8-1/4	3-17/32	11-23/32	12-1/4	15-3/4	9-23/32	9-23/32	16.42
875-578CF ²	8X2	7/8	10- 1/2	9- 1/2	5- 1/8	12- 1/4	13- 3/4	18- 7/8	9- 5/8	2-13/16	19.11
875-579CF ²	8X2-1/2	1- 7/16	10-15/16	10- 1/16	5-11/16	12-15/16	14- 5/16	20	9- 5/8	3- 7/16	18.51
875-580CF ²	8X3	1-15/16	11- 5/8	10- 9/16	6- 3/16	13- 7/8	14-13/16	21	9- 5/8	4- 1/8	21.71
875-582C	8X4	-15/32	9-1/16	8-1/4	3-17/32	11-5/16	12-1/4	15-3/4	9-23/32	5- 1/4	15.31
875-582CF ²	8X4	2-15/16	11- 7/8	11- 9/16	7- 3/16	14- 1/8	15-13/16	23	9- 5/8	5- 3/16	24.77
875-585C ¹	8X6	2-1/32	12-11/16	11-9/32	6-1/32	15-11/16	15-9/32	21-5/16	9-3/4	9-3/4	33.48
875-585CF ²	8X6	4-15/16	13-15/16	13- 9/16	9- 3/16	17- 3/16	17-13/16	27	9- 5/8	7- 1/2	34.47
875-621CF ²	10X2	1/4	11- 7/8	10- 1/2	5	13- 5/8	15- 3/4	20- 3/4	11-15/16	2-13/16	29.82
875-623CF ²	10X3	3/4	13	11- 1/2	6	15- 1/4	16- 3/4	22- 3/4	11-15/16	4- 1/8	33.43
875-624CF ²	10X4	1- 3/4	13- 1/4	12- 1/2	7	15- 1/2	17- 3/4	24- 3/4	11-15/16	5- 3/16	36.89
875-626C	10X6	-3/16	11-29/32	11	4-13/16	14-15/16	16	20-13/16	12- 1/16	7-5/8	29.73
875-626CF ²	10X6	3- 3/4	15- 5/16	14- 1/2	9	18- 9/16	19- 3/4	28- 3/4	11-15/16	7- 1/2	47.48
875-628C	10X8	1-7/16	12-7/8	12-7/16	6-7/16	16-7/8	17-7/16	23-7/8	12-3/32	9-3/4	37.73
875-628CF ²	10X8	5- 1/4	17- 1/4	16	10- 1/2	21- 1/2	21- 1/4	31- 3/4	11-15/16	9- 5/8	56.36
875-661CF ²	12X2	1- 5/16	13- 3/16	11- 7/16	4-15/16	14-15/16	17-11/16	22- 5/8	14- 1/8	2-13/16	44.03
875-663CF ²	12X3	1/8	14- 5/16	12- 7/8	6- 3/8	16- 9/16	19- 1/8	25- 1/2	14- 1/8	4- 1/8	44.74
875-664CF ²	12X4	5/8	14- 9/16	13- 3/8	6- 7/8	16-13/16	19- 5/8	26- 1/2	14- 1/8	5- 3/16	50.66

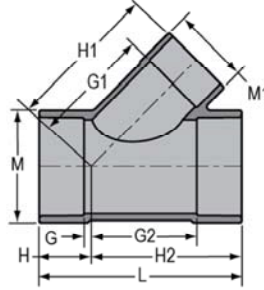


Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings

Wye - Reducing

(Continued)

Socket x Socket x Socket
 1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 8" - 10" & All Fabricated Sizes - 100 psi Maximum Internal Pressure Rating @ 73°F (23°C)
 12" 80 psi Maximum Internal Pressure Rating @ 73°F (23°C)

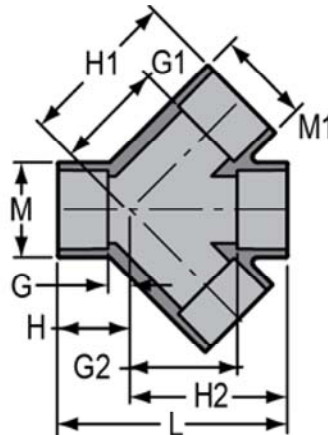


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
875-666CF ²	12X6	2- 5/8	16- 5/8	15- 3/8	8- 7/8	19- 7/8	21- 5/8	30- 1/2	14- 1/8	7- 1/2	63.31
875-668CF ²	12X8	4- 1/4	18- 9/16	17	10- 1/2	22-13/16	23- 1/4	33- 3/4	14- 1/8	9- 5/8	74.48
875-670CF ²	12X10	5- 3/4	20- 3/16	18- 1/2	12	25- 7/16	24- 3/4	36- 3/4	14- 1/8	11-15/16	86.93
875-694CF ²	14X4	1- 1/4	15- 5/16	15- 1/4	8- 1/4	17- 9/16	22- 1/4	30- 1/2	15- 1/2	5- 3/16	73.56
875-696CF ²	14X6	2	17- 3/8	16	9	20- 5/8	23	32	15- 1/2	7- 1/2	83.85
875-698CF ²	14X8	4- 1/4	19- 5/16	18- 1/4	11- 1/4	23- 9/16	25- 1/4	36- 1/2	15- 1/2	9- 5/8	93.92
875-700CF ²	14X10	5-3/4	20-15/16	19-3/4	12-3/4	26-3/16	26-3/4	39-1/2	15-1/2	11-15/16	107.46
875-702CF ²	14X12	7- 1/4	22- 9/16	21- 1/4	14- 1/4	28-13/16	28- 1/4	42- 1/2	15- 1/2	14- 1/8	133.37
875-754CF ²	16X4	1- 1/8	16- 5/8	17- 1/8	9- 1/8	18- 7/8	25- 1/8	34- 1/4	17-11/16	5- 3/16	103.11
875-756CF ²	16X6	1- 5/8	18-11/16	17- 5/8	9- 5/8	21-15/16	25- 5/8	35- 1/4	17-11/16	7- 1/2	107.53
875-758CF ²	16X8	3- 5/8	20- 5/8	19- 5/8	11- 5/8	24- 7/8	27- 5/8	39- 1/4	17-11/16	9- 5/8	126.98
875-760CF ²	16X10	5- 1/8	22- 1/4	21- 1/8	13- 1/8	27- 1/2	29- 1/8	42- 1/4	17-11/16	11-15/16	137.96
875-762CF ²	16X12	6- 1/2	23- 7/8	22- 1/2	14- 1/2	30- 1/8	30- 1/2	45	17-11/16	14- 1/8	165.90
875-764CF ²	16X14	7- 7/8	25- 1/8	23- 7/8	15- 7/8	32- 1/8	31- 7/8	47- 3/4	17-11/16	15- 1/2	167.10
875-784CF ²	18X4	0	17- 7/8	18	9	20- 1/8	27	36	19- 7/8	5- 3/16	117.95
875-786CF ²	18X6	3/8	20- 1/8	18- 9/16	9- 3/8	23- 3/8	27- 9/16	36-15/16	19- 7/8	7- 1/2	123.00
875-788CF ²	18X8	3	21- 7/8	21	12	26- 1/8	30	42	19- 7/8	9- 5/8	144.88
875-790CF ²	18X10	4- 1/2	23- 1/2	22- 1/2	13- 1/2	28- 3/4	31- 1/2	45	19- 7/8	11-15/16	197.59
875-792CF ²	18X12	6	25- 1/8	24	15	31- 3/8	33	48	19- 7/8	14- 1/8	187.12
875-794CF ²	18X14	7	26- 3/8	25	16	33- 3/8	34	50	19- 7/8	15- 1/2	211.64
875-796CF ²	18X16	8- 1/2	27- 3/8	26- 1/2	17- 1/2	35- 3/8	35- 1/2	53	19- 7/8	17-11/16	225.07

¹ Sized with Bushing
² Fiberglass reinforced.
 * Fabricated

Double Wye

Socket x Socket x Socket x Socket
 100 psi Maximum internal Pressure Rating @ 73°F (23°C)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-020CF ²	2	3-15/16	5-5/8	6-5/16	5- 7/16	7-3/16	7-13/16	13-1/4	2- 7/8	2- 7/8	4.84

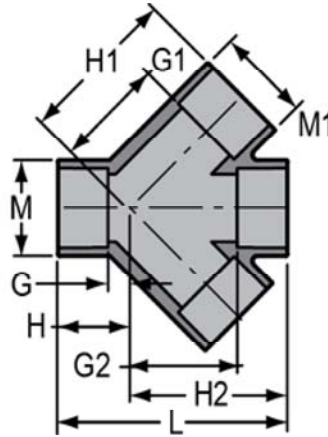
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings



Double Wye

(Continued)

Socket x Socket x Socket x Socket
 100 psi Maximum internal Pressure Rating @ 73°
 F (23°C)

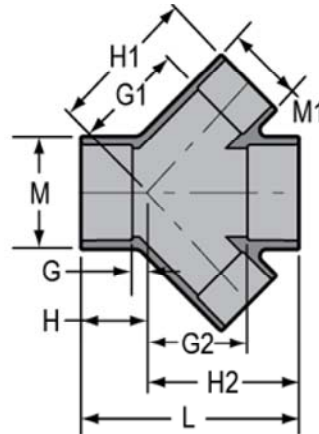


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-030CF ²	3	4-3/4	8-1/4	8-1/4	6-5/8	10-3/16	10-3/16	16-13/16	4-3/16	4-3/16	10.11
876-040CF ²	4	4-11/16	9-3/16	9-3/16	6-15/16	11-7/16	11-7/16	18-3/8	5-3/16	5-3/16	13.41
876-060CF ²	6	4-15/16	12-5/8	11-9/16	8-3/16	15-7/8	14-13/16	23	7-1/2	7-1/2	30.18
876-080CF ²	8	5-1/16	15-7/8	13-11/16	9-5/16	20-1/8	17-15/16	27-1/4	9-5/8	9-5/8	53.78
876-100CF ²	10	6-1/2	18-7/8	17-1/4	11-3/4	24-1/8	22-1/2	34-1/4	11-15/16	11-15/16	93.99
876-120CF ²	12	7-1/8	21-13/16	19-7/8	13-3/8	28-1/16	26-1/8	39-1/2	14-1/8	14-1/8	149.18

² Fiberglass reinforced.
 * Fabricated

Double Wye - Reducing

Socket x Socket x Socket x Socket
 Size 3" is 150 psi, all Fabricated Sizes- 100 psi
 Maximum Internal Pressure Rating @ 73°F (23°
 C)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-338C	3X2	3/16	4-1/4	4	2-1/16	5-3/4	5-7/8	7-15/16	4-3/16	2-7/8	2.39
876-420CF ²	4X2	2-1/4	7-13/16	6-3/4	4-1/2	9-9/16	9	13-1/2	5-3/16	2-13/16	7.15
876-421CF ²	4X2-1/2	1-7/8	8-1/4	6-3/8	4-1/8	10-1/4	8-5/8	12-3/4	5-3/16	3-7/16	5.85
876-422CF ²	4X3	4-11/16	9-15/16	9-3/16	6-15/16	11-7/8	11-7/16	18-3/8	5-3/16	5-3/16	15.13
876-528CF ²	6X2	1-15/16	9-3/16	8-9/16	5-3/16	10-15/16	11-13/16	17	7-1/2	2-13/16	13.76
876-529CF ²	6X2-1/2	2-7/16	9-5/8	9-1/16	5-11/16	11-5/8	12-5/16	18	7-1/2	3-7/16	12.11
876-530CF ²	6X3	2-15/16	10-5/16	9-9/16	6-3/16	12-9/16	12-13/16	19	7-1/2	4-1/8	16.03
876-532CF ²	6X4	3-15/16	10-9/16	10-9/16	7-3/16	12-13/16	13-13/16	21	7-1/2	5-3/16	19.77
876-578CF ²	8X2	7/8	10-1/2	9-1/2	5-1/8	12-1/4	13-3/4	18-7/8	9-5/8	2-13/16	17.20
876-579CF ²	8X2-1/2	1-7/16	10-15/16	10-1/16	5-11/16	12-15/16	14-5/16	20	9-5/8	3-7/16	19.56
876-580CF ²	8X3	1-15/16	11-5/8	10-9/16	6-3/16	13-7/8	14-13/16	21	9-5/8	4-1/8	25.11
876-582CF ²	8X4	2-15/16	11-7/8	11-9/16	7-3/16	14-1/8	15-13/16	23	9-5/8	5-3/16	28.85



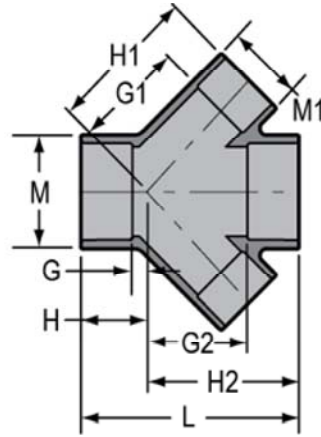
Schedule 80 CPVC Technical
Schedule 80 CPVC Fittings & Schedule 80 CPVC Unions

Double Wye - Reducing

(Continued)

Socket x Socket x Socket x Socket

Size 3" is 150 psi, all Fabricated Sizes- 100 psi
 Maximum Internal Pressure Rating @ 73°F (23°C)



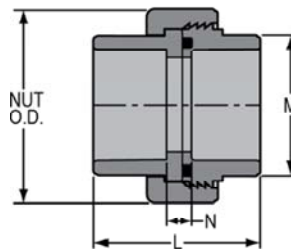
Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-585CF ²	8X6	4-15/16	13-15/16	13- 9/16	9- 3/16	17- 3/16	17-13/16	27	9- 5/8	7- 1/2	41.47
876-621CF ²	10X2	1/4	11- 7/8	10- 1/2	5	13- 5/8	15- 3/4	20- 3/4	11-15/16	2-13/16	26.33
876-622CF ²	10X2-1/2	1/8	12- 5/16	10- 7/8	5- 3/8	14- 5/16	16- 1/8	21- 1/2	11-15/16	3- 7/16	28.27
876-623CF ²	10X3	3/4	13	11- 1/2	6	15- 1/4	16- 3/4	22- 3/4	11-15/16	4- 1/8	30.29
876-624CF ²	10X4	1- 3/4	13- 1/4	12- 1/2	7	15- 1/2	17- 3/4	24- 3/4	11-15/16	5- 3/16	35.90
876-626CF ²	10X6	3- 3/4	15- 5/16	14- 1/2	9	18- 9/16	19- 3/4	28- 3/4	11-15/16	7- 1/2	46.54
876-628CF ²	10X8	5- 1/4	17- 1/4	16	10- 1/2	21- 1/2	21- 1/4	31- 3/4	11-15/16	9- 5/8	70.04
876-661CF ²	12X2	1- 5/16	13- 3/16	11- 7/16	4-15/16	14-15/16	17-11/16	22- 5/8	14- 1/8	2-13/16	39.61
876-662CF ²	12X2-1/2	15/16	13- 5/8	11-13/16	5- 5/16	15- 5/8	18- 1/16	23- 3/8	14- 1/8	3- 7/16	41.99
876-663CF ²	12X3	1/8	14-15/16	12- 7/8	6- 3/8	16- 9/16	19- 1/8	25- 1/2	14- 1/8	4- 1/8	46.17
876-664CF ²	12X4	5/8	14- 9/16	13- 3/8	6- 7/8	16-13/16	19- 5/8	26- 1/2	14- 1/8	5- 3/16	49.77
876-666CF ²	12X6	2- 5/8	16- 5/8	15- 3/8	8- 7/8	19- 7/8	21- 5/8	30- 1/2	14- 1/8	7- 1/2	63.29
876-668CF ²	12X8	4- 1/4	18- 9/16	17	10- 1/2	22-13/16	23- 1/4	33- 3/4	14- 1/8	9- 5/8	79.18
876-670CF ²	12X10	5- 3/4	20- 3/16	18- 1/2	12	25- 7/16	24- 3/4	36- 3/4	14- 1/8	11-15/16	102.16

² Fiberglass reinforced.
 * Fabricated

Union 2000 - Socket/FKM

Socket x Socket with FKM O-ring Seal

Dimensions Also Applicable to
 8097-XXXC EPDM O-Ring Seals



Pressure Rating
 1/4" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-002C	1/4	1-15/16	29/32	11/16	1-21/32	.09
857-003C	3/8	2- 5/32	1-1/16	5/8	1-25/32	.11
8057-005C	1/2	2- 3/32	1- 3/16	5/16	1-15/16	.12
8057-007C	3/4	2- 3/8	1-3/8	3/8	2-3/8	.20
8057-010C	1	2-11/16	1-23/32	13/32	2-21/32	.28
8057-012C	1-1/4	2-15/16	2- 3/32	1-3/32	3- 3/32	.41
8057-015C	1-1/2	3- 1/4	2-11/32	1/2	3-19/32	.54
8057-020C	2	3-9/16	2- 7/8	17/32	4-5/16	.90
8057-025C	2-1/2	4- 7/32	3- 1/2	11/16	6-3/16	2.25
8057-030C	3	4-5/16	4-5/32	17/32	6-3/16	2.27

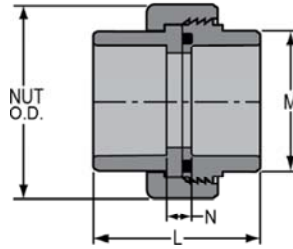
Schedule 80 CPVC Technical
Schedule 80 CPVC Unions



Union 2000 - Socket/FKM

(Continued)

Socket x Socket with FKM O-ring Seal
 Dimensions Also Applicable to
 8097-XXXC EPDM O-Ring Seals

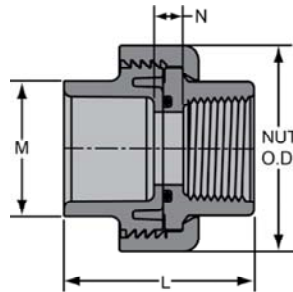


Pressure Rating
 1/4" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8057-040C	4	5-3/16	5- 1/4	21/32	7- 3/4	4.02
8057-060C	6	6-29/32	7-21/32	27/32	11- 5/8	12.44

Union 2000 - Socket/Fipt/FKM

Socket x Fipt with FKM O-ring Seal
 Dimensions Also Applicable to
 8099-XXXC EPDM O-Ring Seals

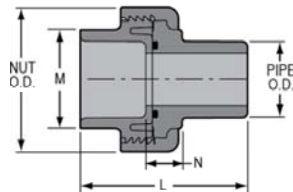


Pressure Rating
 1/2" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8059-005C	1/2	1-7/8	1-3/16	5/16	1-15/16	.12
8059-007C	3/4	2- 1/16	1-3/8	3/8	2-3/8	.19
8059-010C	1	2-7/16	1-11/16	1/2	2-21/32	.27
8059-012C	1-1/4	2-5/8	2-1/16	1/2	3-3/16	.40
8059-015C	1-1/2	2-13/16	2-11/32	17/32	3-19/32	.53
8059-020C	2	3	2- 7/8	9/16	4-5/16	.88
8059-025C	2-1/2	3-15/32	3- 1/2	13/32	6- 3/16	2.28
8059-030C	3	3-13/16	4-5/32	5/8	6-3/16	2.26
8059-040C	4	4- 3/8	5- 1/4	11/16	7- 3/4	3.85
8059-060C	6	6-27/32	7-21/32	1-17/32	11- 5/8	11.98

Union 2000 - Socket/Spigot/FKM

Socket x Spigot with FKM O-ring Seal
 Dimensions Also Applicable to
 8096-XXXC EPDM O-Ring Seals



Pressure Rating
 1/2" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8056-005C	1/2	2-11/32	1- 3/16	9/16	1-15/16	.13
8056-007C	3/4	2- 5/8	1- 3/8	19/32	2-3/8	.20
8056-010C	1	2-15/16	1-23/32	11/16	2-21/32	.29
8056-012C	1-1/4	3- 7/32	2- 3/32	11/16	3- 3/16	.43
8056-015C	1-1/2	3- 1/2	2-11/32	23/32	3-19/32	.55
8056-020C	2	3-25/32	2- 7/8	3/4	4- 5/16	.92



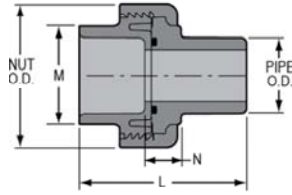
Schedule 80 CPVC Technical
Schedule 80 CPVC Unions

Union 2000 -

Socket/Spigot/FKM

(Continued)

Socket x Spigot with FKM O-ring Seal
 Dimensions Also Applicable to
 8096-XXXC EPDM O-Ring Seals

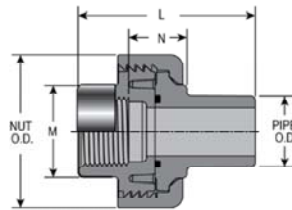


Pressure Rating
 1/2" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8056-025C	2-1/2	4-21/32	3-1/2	1-1/8	6-3/16	2.32
8056-030C	3	4-3/4	4- 5/32	31/32	6-3/16	2.35
8056-040C	4	5- 5/8	5- 1/4	1- 1/8	7-23/32	4.09
8056-060C	6	7-5/8	7- 9/16	1- 1/2	11-11/16	12.86

Union 2000 - Special Reinforced Fipt/Spigot/FKM

SR Fipt x Spigot with FKM O-ring Seal
 Dimensions Also Applicable to
 8095-XXXCSR EPDM O-Ring Seals

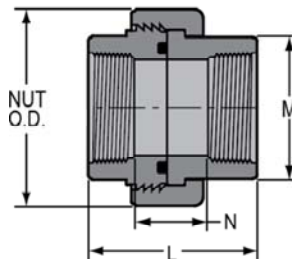


Pressure Rating
 1/2" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8055-005CSR	1/2	2-13/32	1-7/32	25/32	1-15/16	.14
8055-007CSR	3/4	2-21/32	1-3/8	29/32	2-3/8	.22
8055-010CSR	1	3-1/16	1-23/32	1-1/16	2-21/32	.34
8055-012CSR	1-1/4	3-5/16	2-3/32	1-1/16	3-3/16	.47
8055-015CSR	1-1/2	3-15/32	2-7/16	1-3/32	3-19/32	.61
8055-020CSR	2	3-31/32	3-1/32	1-15/32	4-5/16	1.02
8055-025CSR	2-1/2	4-9/32	3-19/32	1-27/32	6-3/16	2.51
8055-030CSR	3	5-1/8	4-9/32	1-27/32	6-3/16	2.59
8055-040CSR	4	6	5-1/4	2-7/32	7-3/4	4.38
8055-060CSR	6	7-19/32	7-19/32	2-7/8	11-5/8	13.16

Union 2000 - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal
 Dimensions Also Applicable to
 8098-XXXC EPDM O-Ring Seals



Pressure Rating
 1/4" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

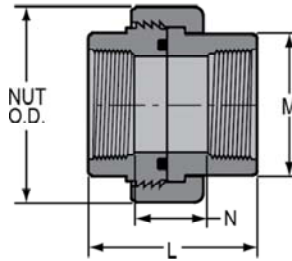
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
858-002C	1/4	1-15/16	15/16	3/4	1-21/32	.10
858-003C	3/8	2-5/32	1- 1/32	31/32	1-25/32	.13
8058-005C	1/2	1-29/32	1- 3/16	17/32	1- 7/8	.13
8058-007C	3/4	2-3/32	1- 3/8	3/4	2-3/8	.20

Schedule 80 CPVC Technical
Schedule 80 CPVC Unions



Union 2000 - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal
Dimensions Also Applicable to
8098-XXXC EPDM O-Ring Seals



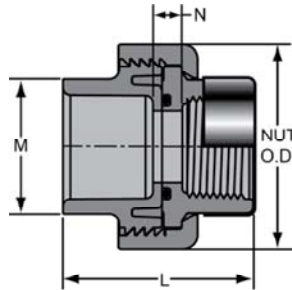
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Pressure Rating
1/4" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8058-010C	1	2-9/16	1-11/16	29/32	2- 9/16	.29
8058-012C	1-1/4	2-23/32	2-1/16	7/8	3-3/16	.42
8058-015C	1-1/2	2-3/16	2- 3/8	1	3-19/32	.56
8058-020C	2	3-3/16	3	1-1/4	4-5/16	.94
8058-025C	2-1/2	4-1/16	3- 9/16	1-15/32	6-3/16	2.41
8058-030C	3	4-3/16	4- 9/32	1-1/2	6-3/16	2.48
8058-040C	4	4-11/16	5- 1/4	1-13/16	7- 3/4	4.05
8058-060C	6	6-7/32	7-21/32	2-13/16	11-5/8	12.14

Union 2000 - Socket/Special Reinforced Fipt/FKM

Socket x SR Fipt with FKM O-ring Seal
Dimensions Also Applicable to
8099-XXXCSR EPDM O-Ring Seals



Pressure Rating
1/2" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

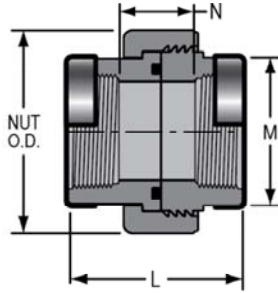
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8059-005CSR	1/2	1-29/32	1- 3/16	9/32	1-15/16	.13
8059-007CSR	3/4	2-3/32	1-3/8	11/32	2-3/8	.20
8059-010CSR	1	2-15/32	1-23/32	13/32	2-21/32	.29
8059-012CSR	1-1/4	2-21/32	2- 3/32	7/16	3-7/32	.42
8059-015CSR	1-1/2	2-27/32	2-11/32	1/2	3-19/32	.56
8059-020CSR	2	3-1/32	2- 7/8	1/2	4-5/16	.92
8059-025CSR	2-1/2	3-27/32	3-1/2	3/4	6- 3/16	2.32
8059-030CSR	3	3-13/16	4-5/32	1/2	6-3/16	2.34
8059-040CSR	4	4-11/32	5- 1/4	5/8	7- 3/4	3.95
8059-060CSR	6	6-1/4	7-21/32	1-17/32	11-9/16	12.13



Schedule 80 CPVC Technical
Schedule 80 CPVC Unions

Union 2000 - Special Reinforced Fipt/FKM

SR Fipt x SR Fipt w/FKM O-ring Seal - Stainless Steel Collar
 Dimensions Also Applicable to
 8098-XXXCSR EPDM O-Ring Seals

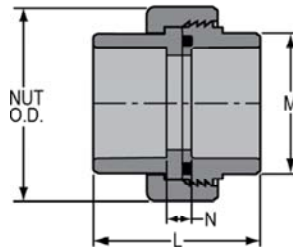


Pressure Rating
 1/2" - 4" 235 psi @ 73°F
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8058-005CSR	1/2	2	1-7/32	9/16	1-15/16	.15
8058-007CSR	3/4	2-1/8	1- 3/8	23/32	2-3/8	.22
8058-010CSR	1	2-19/32	1-23/32	29/32	2-21/32	.34
8058-012CSR	1-1/4	2-3/4	2-3/32	29/32	3-3/16	.46
8058-015CSR	1-1/2	2-27/32	2-7/16	1-1/32	3-19/32	.62
8058-020CSR	2	3-3/16	3- 1/32	1-9/32	4-5/32	1.02
8058-025CSR	2-1/2	4-3/32	3-19/32	1-9/16	6-3/16	2.51
8058-030CSR	3	4-7/32	4- 9/32	1-1/2	6-3/16	2.58
8058-040CSR	4	4-3/4	5- 1/4	1-13/16	7-3/4	4.24
8058-060CSR	6	6-1/4	7-19/32	2-31/32	11- 5/8	12.43

Union (Old Style) - Socket/FKM

Socket x Socket with FKM O-ring Seal
 Dimensions Also Applicable to
 897-XXXC EPDM O-Ring Seals



Pressure Rating
 235 psi @ 73°F

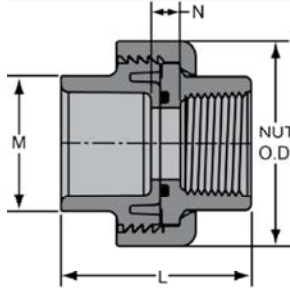
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-005C	1/2	2-1/16	1- 9/32	5/16	1-31/32	.15
857-007C	3/4	2-13/32	1-17/32	11/32	2- 1/2	.28
857-010C	1	2- 9/16	1-7/8	5/16	2- 7/8	.39
857-012C	1-1/4	2- 7/8	2- 7/32	11/32	3- 5/16	.52
857-015C	1-1/2	3-5/32	2- 9/16	15/32	3-17/32	.64
857-020C	2	3- 5/8	3-1/16	9/16	4- 3/16	1.01
857-025C	2-1/2	4- 3/8	3- 5/8	7/8	4- 7/8	1.58
857-030C	3	5	4- 3/8	1-7/32	5- 3/4	2.50
857-040C	4	5-27/32	5-13/32	1-11/32	7- 1/8	3.97

Schedule 80 CPVC Technical
Schedule 80 CPVC Unions



Union (Old Style) - Socket/Fipt/FKM

Socket x Fipt with FKM O-ring Seal
 Dimensions Also Applicable to
 899-XXXC EPDM O-Ring Seals

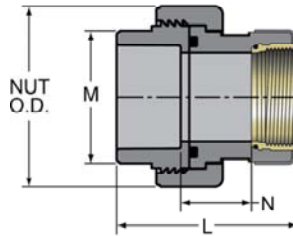


Pressure Rating
 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-005C	1/2	2-1/16	1-5/16	7/16	1-31/32	.16
859-007C	3/4	2-13/32	1-17/32	19/32	2- 1/2	.29
859-010C	1	2- 9/16	1-7/8	7/16	2- 7/8	.40
859-012C	1-1/4	2- 7/8	2-1/4	19/32	3- 5/16	.54
859-015C	1-1/2	3-3/16	2-9/16	27/32	3- 9/16	.66
859-020C	2	3- 5/8	3-1/16	1-1/8	4- 3/16	1.06
859-025C	2-1/2	4-13/32	3- 5/8	1-13/32	4- 7/8	1.65
859-030C	3	5-1/32	4- 3/8	1-19/32	5- 3/4	2.60
859-040C	4	5- 7/8	5-13/32	1- 7/8	7-1/8	4.12

Union - Socket/Brass Fipt/FKM

Socket x Fipt with Brass Thread Insert & FKM O-ring Seal
 Dimensions Also Applicable to
 899-XXXCBR EPDM O-Ring Seals



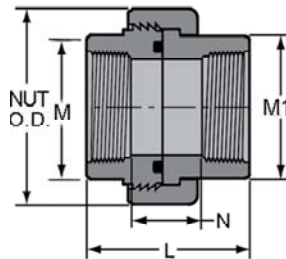
Pressure Rating
 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-005CBR	1/2	2-1/4	1-9/32	25/32	1-15/16	.22
859-007CBR	3/4	2-11/16	1-17/32	1	2- 1/2	.36
859-010CBR	1	2-13/16	1- 7/8	1- 1/32	2- 7/8	.52
859-012CBR	1-1/4	3-5/16	2-1/4	1-5/16	3- 5/16	.76
859-015CBR	1-1/2	3-9/16	2- 9/16	1-13/32	3-17/32	.92
859-020CBR	2	3-19/32	2- 7/8	1-5/16	4- 5/16	1.63

Not intended to convey or dispense water for human consumption through drinking or cooking

Union (Old Style) - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal
 Dimensions Also Applicable to
 898-XXXC EPDM O-Ring Seals



Pressure Rating
 235 psi @ 73°F

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
858-005C	1/2	2-1/16	1- 9/32	1-9/32	19/32	1-31/32	.16
858-007C	3/4	2- 3/8	1-17/32	1-17/32	13/16	2- 1/2	.30



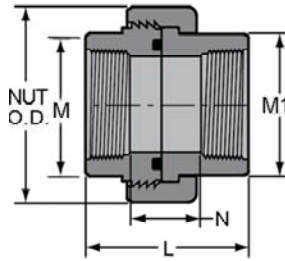
Schedule 80 CPVC Technical
Schedule 80 CPVC Unions

Union (Old Style) - Fipt/FKM

(Continued)

Fipt x Fipt with FKM O-ring Seal

Dimensions Also Applicable to
 898-XXXC EPDM O-Ring Seals



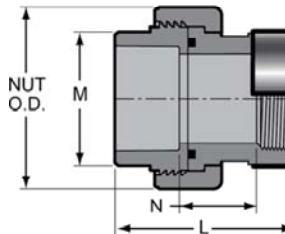
Pressure Rating
 235 psi @ 73°F

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
858-010C	1	2- 9/16	1-27/32	1-7/8	19/32	2- 7/8	.41
858-012C	1-1/4	2- 7/8	2- 7/32	2-27/32	7/8	3- 5/16	.61
858-015C	1-1/2	3-3/16	2-1/2	2-9/16	1-7/32	3-17/32	.69
858-020C	2	3-19/32	3	3-1/16	1-19/32	4- 3/16	1.11
858-025C	2-1/2	4- 3/8	3- 5/8	3-5/8	1-25/32	4- 7/8	1.74
858-030C	3	5	4- 3/8	4-3/8	1-13/16	5- 3/4	2.66
858-040C	4	5- 7/8	5-3/8	5-13/32	2-5/8	7-1/8	4.29

**Union (Old Style) -
 Socket/Special Reinforced
 Fipt/FKM**

Socket x SR Fipt w/FKM O-ring Seal - Stainless Steel Collar

Dimensions Also Applicable to
 899-XXXCSR EPDM O-Ring Seals



Pressure Rating
 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-002CSR	1/4	2-1/8	15/16	7/8	1-21/32	.07
859-003CSR	3/8	2-5/16	1-1/16	1-5/16	1-25/32	.07
859-005CSR	1/2	2- 9/32	1- 9/32	21/32	1-31/32	.16
859-007CSR	3/4	2-19/32	1-17/32	25/32	2- 1/2	.29
859-010CSR	1	2-15/16	1-29/32	29/32	2- 7/8	.42
859-012CSR	1-1/4	3-7/32	2- 7/32	31/32	3- 5/16	.57
859-015CSR	1-1/2	3-7/16	2- 9/16	1- 1/32	3- 9/16	.71
859-020CSR	2	4- 3/32	3-1/16	1-19/32	4- 3/16	1.17
859-030CSR	3	5- 1/4	4-13/32	2	5- 3/4	2.74
859-040CSR	4	5-5/16	5-13/32	2-7/32	7-1/8	4.19

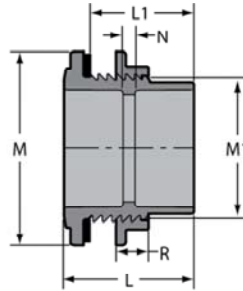
Schedule 80 CPVC Technical
Schedule 80 CPVC Tank Adapters



**Tank Adapters, CPVC New
 Style Standard with Neoprene
 Gaskets**

Socket x Socket
 150 psi Maximum Internal Pressure Rating @ 73°
 F (23°C)

Dimensions Also Applicable to
 8170E-XXXX & 8170V-XXXX

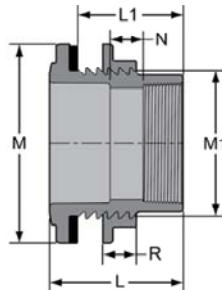


Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8170-002C	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1-3/16	1/2	1-1/16	.11
8170-003C	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1	1/2	1-3/16	.12
8170-005C	1/2	2-29/32	2-3/16	2-1/16	1-7/16	1-1/8	5/8	1-1/2	.22
8170-007C	3/4	2-15/16	2-3/16	2-1/4	1-5/8	29/32	5/8	1-3/4	.24
8170-010C	1	3-9/32	2-9/16	2-21/32	1-31/32	1	5/8	2	.37
8170-012C	1-1/4	3-13/32	2-5/8	3-1/8	2-5/16	29/32	5/8	2-3/8	.48
8170-015C	1-1/2	3-5/8	2-13/16	3-5/8	2-11/16	7/8	5/8	2-3/4	.66
8170-020C	2	4-1/8	3-1/4	4-7/8	3-1/4	1-1/16	3/4	3-3/8	1.29
8170-025C	2-1/2	4-27/32	3-29/32	5-1/4	3-13/16	1-5/16	1	3-7/8	2.26
8170-030C	3	5-1/2	4-1/2	6	4-17/32	1-23/32	1	4-5/8	2.61
8170-040C	4	4-31/32	3-15/16	7-7/16	5-7/16	7/16	1-1/4	5-1/2	3.21
8170-060C	6	5	4	10-3/32	8	1/8	1-1/4	8	5.76
8170-080C	8	8-19/32	6-7/8	12-15/16	10-7/32	1/2	1-1/2	10-3/8	17.30

**Tank Adapters, CPVC New
 Style Standard with Neoprene
 Gaskets**

Socket x Fipt
 150 psi Maximum Internal Pressure Rating @ 73°
 F (23°C)

Dimensions Also Applicable to
 8171E-XXXX & 8171V-XXXX

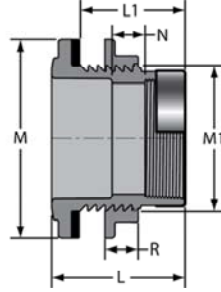


Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8171-002C	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1- 1/4	1/2	1-1/16	.12
8171-003C	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1- 3/16	1/2	1-3/16	.12
8171-005C	1/2	2-29/32	2- 3/16	2- 1/16	1-7/16	1-5/16	5/8	1-1/2	.23
8171-007C	3/4	2-15/16	2-3/16	2- 1/4	1- 5/8	1- 3/16	5/8	1-3/4	.26
8171-010C	1	3-9/32	2-9/16	2-21/32	1-31/32	1- 1/4	5/8	2	.39
8171-012C	1-1/4	3-13/32	2-5/8	3-1/8	2- 5/16	1-7/32	5/8	2-3/8	.51
8171-015C	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1-9/32	5/8	2-3/4	.71
8171-020C	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	1- 5/8	3/4	3-3/8	1.34
8171-025C	2-1/2	4-27/32	3-29/32	5- 1/4	3-13/16	1-3/4	1	3-7/8	2.39
8171-030C	3	5- 1/2	4- 1/2	6	4-17/32	2- 3/16	1	4-5/8	2.75
8171-040C	4	4-31/32	3-15/16	7-7/16	5-7/16	1-7/32	1- 1/4	5-1/2	3.35
8171-060C	6	5	4	10-3/32	8	1/32	1- 1/4	8	5.91



Schedule 80 CPVC Technical
Schedule 80 CPVC Tank Adapters

Tank Adapters, CPVC New Style Special Reinforced (SR) Threaded with Neoprene Gaskets

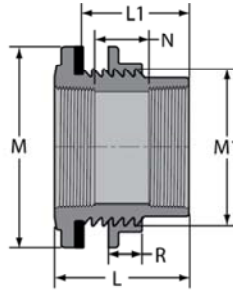


Socket x SR Fipt - Stainless Steel Collar
 150 psi Maximum Internal Pressure Rating @ 73° F (23°C)

Dimensions Also Applicable to
 8171E-XXXCSR & 8171V-XXXCSR

Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8171-002CSR	1/4	2- 1/2	1-13/16	1- 1/2	1- 1/16	1- 1/4	1/2	1-1/16	.12
8171-003CSR	3/8	2- 1/2	1-13/16	1- 5/8	1- 3/16	1- 3/16	1/2	1-3/16	.13
8171-005CSR	1/2	2-15/16	2- 1/4	2- 1/16	1-15/32	1- 9/32	5/8	1-1/2	.24
8171-007CSR	3/4	2-15/16	2- 3/16	2- 1/4	1- 5/8	1- 1/4	5/8	1-3/4	.27
8171-010CSR	1	3- 5/16	2-13/16	2- 5/8	1-31/32	1- 1/4	5/8	2	.40
8171-012CSR	1-1/4	3-13/32	2- 5/8	3- 3/32	2- 5/16	1-17/32	5/8	2-3/8	.53
8171-015CSR	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1- 1/4	5/8	2-3/4	.74
8171-020CSR	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	1- 5/8	3/4	3-3/8	1.36
8171-025CSR	2-1/2	4- 7/8	3- 7/8	5- 1/4	3-13/16	1-11/16	1	3-7/8	2.45
8171-030CSR	3	5- 1/2	4- 1/2	6	4- 9/16	2- 3/16	1	4-5/8	2.82
8171-040CSR	4	5	4	7- 1/2	5- 1/2	1- 1/4	1- 1/4	5-1/2	3.47
8171-060CSR	6	4-31/32	4- 1/16	10-3/32	7-11/16	1/16	1- 1/4	8	9.11

Tank Adapters, CPVC New Style Standard with Neoprene Gaskets



Fipt x Fipt
 150 psi Maximum Internal Pressure Rating @ 73° F (23°C)

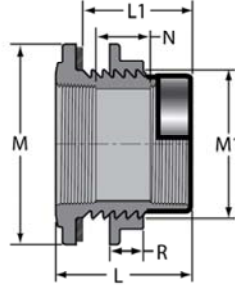
Dimensions Also Applicable to
 8172E-XXXC & 8172V-XXXC

Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8172-002C	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1- 5/16	1/2	1-1/16	.12
8172-003C	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1-11/32	1/2	1-3/16	.13
8172-005C	1/2	2-29/32	2- 3/16	2- 1/16	1-7/16	1-15/32	5/8	1-1/2	.24
8172-007C	3/4	2-15/16	2-3/16	2- 1/4	1- 5/8	1-15/32	5/8	1-3/4	.26
8172-010C	1	3-9/32	2-9/16	2-21/32	1-31/32	1-1/2	5/8	2	.40
8172-012C	1-1/4	3-13/32	2-5/8	3-1/8	2- 5/16	1-17/32	5/8	2-3/8	.53
8172-015C	1-1/2	3-5/8	2-13/16	3-5/8	2-11/16	1-23/32	5/8	2-3/4	.74
8172-020C	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	2-5/32	3/4	3-3/8	1.35
8172-025C	2-1/2	4-7/32	3-29/32	5- 1/4	3-13/16	2-7/32	1	3-7/8	2.52
8172-030C	3	5- 1/2	4- 1/2	6	4-17/32	2-11/16	1	4-5/8	2.95
8172-040C	4	4-31/32	3-15/16	7-7/16	5-7/16	2	1- 1/4	5-1/2	3.69
8172-060C	6	5	4	10-3/32	8	1-1/8	1- 1/4	8	6.21

Schedule 80 CPVC Technical
Schedule 80 CPVC Tank Adapters



Tank Adapters, CPVC New Style Special Reinforced (SR) Threaded with Neoprene Gaskets

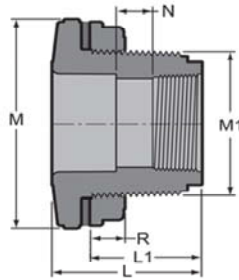


Fipt x SR Fipt - Stainless Steel Collar
 150 psi Maximum Internal Pressure Rating @ 73° F (23°C)

Dimensions Also Applicable to
 8172E-XXXCSR & 8172V-XXXCSR

Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8172-002CSR	1/4	2- 1/2	1-13/16	1-17/32	1-1/32	1- 5/16	1/2	1-1/16	.12
8172-003CSR	3/8	2-17/32	1-27/32	1-21/32	1-5/32	1- 3/8	1/2	1-3/16	.13
8172-005CSR	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1-1/2	5/8	1-1/2	.25
8172-007CSR	3/4	2-15/16	2-7/32	2- 1/4	1- 5/8	1-1/2	5/8	1-3/4	.27
8172-010CSR	1	3-5/16	2-9/16	2-21/32	1-31/32	1-17/32	5/8	2	.42
8172-012CSR	1-1/4	3-9/16	2-21/32	3-1/8	2- 5/16	1-9/16	5/8	2-3/8	.54
8172-015CSR	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1-23/32	5/8	2-3/4	.77
8172-020CSR	2	4- 1/8	3- 1/4	4-7/8	3-1/4	2-5/32	3/4	3-3/8	1.41
8172-025CSR	2-1/2	4- 7/8	3-29/32	5- 1/4	3-13/16	2- 1/4	1	3-7/8	2.58
8172-030CSR	3	5-1/2	4-1/2	5-31/32	4-1/2	2-11/16	1	4-5/8	3.00
8172-040CSR	4	5	4	7-7/16	5-7/16	2-1/32	1- 1/4	5-1/2	3.79
8172-060CSR	6	5	4-3/32	9-15/16	8	1-1/8	1-1/4	8	9.41

Tank Adapter, CPVC Old Style with Neoprene Gasket



Socket x Fipt
 150 psi Maximum Internal Pressure Rating @ 73° F (23°C)

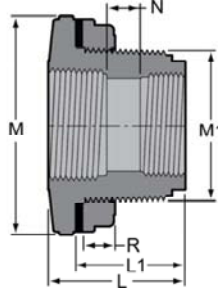
Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
871-005C	1/2	2-27/32	2-3/16	2-3/8	1- 9/32	1-11/32	5/8	.25
871-007C	3/4	2-23/32	2-1/16	2-5/8	1- 5/8	29/32	5/8	.31
871-010C	1	2-25/32	2- 1/8	2-13/16	1- 7/8	25/32	21/32	.34
871-012C	1-1/4	3- 1/8	2- 7/16	3-29/32	2-11/32	27/32	5/8	.62
871-015C	1-1/2	3- 5/32	2-21/32	3-29/32	2-11/32	3/4	5/8	.57
871-020C	2	3- 3/16	2-17/32	4-31/32	3-15/32	13/16	3/4	1.42
871-030C	3	4-19/32	3-13/16	6- 7/16	4-15/32	31/32	1- 3/16	2.62
871-040C	4	4- 7/16	3-23/32	7- 7/16	5- 1/2	1/2	1- 1/4	3.37



Schedule 80 CPVC Technical
Schedule 80 CPVC Tank Adapters

Tank Adapter, CPVC Old Style with Neoprene Gasket

Fipt x Fipt
 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)



Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
872-005C	1/2	2-27/32	2-3/16	2-3/8	1-9/32	1-15/32	5/8	.25
872-007C	3/4	2-23/32	2-1/16	2-5/8	1- 5/8	1-1/4	5/8	.32
872-010C	1	2-25/32	2-1/8	2-7/8	1- 7/8	1-5/16	5/8	.36
872-012C	1-1/4	3- 1/8	2-7/16	3-15/16	2-11/32	1- 1/8	5/8	.64
872-015C	1-1/2	3- 1/8	2-7/16	3-15/16	2-11/32	1- 1/16	5/8	.60
872-020C	2	3-3/16	2- 3/8	5-3/32	3-15/32	1-1/8	3/4	1.44
872-030C	3	4-19/32	3-11/16	6-19/32	4-7/16	1-1/8	1- 3/16	2.61
872-040C	4	4-15/32	3-17/32	7-11/16	5- 1/2	17/32	1- 1/4	3.46

TANK ADAPTER GASKET SECTION	SIZE	O.D.*	I.D.*	T
	1/2	2.25	1.33	3/16
	3/4	2.49	1.69	3/16
	1	2.79	1.94	3/16
	1-1/4	3.81	2.39	3/16
	1-1/2	3.81	2.39	3/16
	2	4.89	3.51	3/16
	3	6.30	4.49	3/16
	4	7.33	5.50	3/16

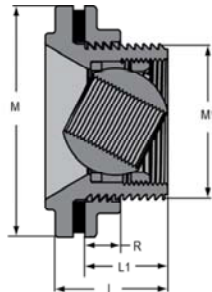
Old Style Tank Adapter Gasket & Hole Size Requirements			
Tank Adapter Size	Recommended Minimum Hole Size	Minimum Inside Curvature Radius (inches)	Maximum Tank Wall Thickness (inches)
1/2	1-3/8	3.88	1.06
3/4	1-3/4	5.00	1.06
1	2	6.12	1.06
1-1/4	2-7/16	10.75	1.34
1-1/2	2-7/16	10.75	1.34
2	3-9/16	18.50	1.16
3	4-9/16	31.00	1.75
4	5-9/16	42.75	1.81

* Both outside and inside dimensions are +/- .03 shore hardness 65-70

Tank Adapter, CPVC Self Aligning with Neoprene Gasket

Fipt
 75 psi Maximum Internal Pressure Rating @ 73°F (23°C)

Dimensions Also Applicable to
 8172ESA-XXXX & 8172VSA-XXXX



Part Number	Size	L	L1	M	M1	R	Approx. Wt. (Lbs.)
8172SA-010C	1	2- 9/16	1- 3/4	4- 7/8	3- 1/4	3/4	2.70
8172SA-020C	2	2-11/16	1- 3/4	6	4-7/16	1	9.03
8172SA-030C	3	3-3/16	2-9/32	7-7/16	5-7/16	1- 1/4	3.14

Schedule 80 CPVC Technical
Schedule 80 CPVC Tank Adapters



Self-Aligning Tank Adapters

Swivel Ball design permits straight-pipe connections with up to a 27° angle off vertical pipe centerline in any direction. Aids installation in domed top tanks and provides easy adjustment to compensate for tank curvature in making system connections. Pressure rated to 75 psi @ 73°F (23°C).

Easy Installation

1. Locate and cut designated hole size in tank
2. Remove Nut and insert Self-Aligning Tank Adapter through hole from inside. **Note: Body and Gasket must be installed on the inside of tank.**
3. Tighten Nut (clockwise) while holding body from inside tank.
4. Install threaded pipe into ball.
5. Position angular offset as desired and tighten lock ring (clockwise) against ball.

Self Aligning Tank Adapter Installation Requirements			
Tank Adapter Size	Minimum Hole Size	Minimum Tank Inside Curvature-Radius (in.)	Maximum Tank Wall Thickness
1	3-3/8	18.5	1-5/16
2	4-5/8	32.5	1-5/16
3	5-1/2	43.5	1-11/16

Nut Wrenches

While not required for installation, Self-Aligning Tank Adapters can use certain nut wrenches produced for use on Spears® regular Tank Adapters (New Style). While designated wrench sizes do not directly correspond, the following chart shows specific regular Tank Adapter Nut Wrench to use with each Self-Aligning size. Body wrenches are not currently available.

Self-Aligning Tank Adapter Size	Regular Tank Adapter Nut Wrench to Use	
	Part Number	Comment
1"	TAW2-020	Regular 2" wrench fits Self-Aligning 1" nut
2"	TAW2-030	Regular 3" wrench fits Self-Aligning 2" nut
3"	TAW2-040	Regular 4" wrench Self-Aligning 3" nut



Schedule 80 CPVC Saddles



ENGINEERING GUIDE

Contact Spears® for any Information not found.

CLAMP-ON SADDLES

Simple Two-Piece Design Engineered for Reliability



Spears® CPVC Clamp-On Saddles allow quick, easy and reliable addition of branch lines to existing piping system lines. These versatile saddle units can be used in either temporary or permanent installations on all types of pipe with IPS (Iron Pipe size) outside diameter, such as PVC, CPVC, Polyethylene, Polypropylene and Steel.

Excellent Metal-to-Plastic System Transition

Easily installs on metal pipe as a transition to plastic system.

Tee or Cross Configurations

Available in 2" - 12" IPS pipe saddle with socket outlets in sizes 1/2" - 6" and Special Reinforced (SR) threaded outlets in sizes 1/2" - 6", single Tee or double Cross configurations.

Patented SR Design Female Threads

Patented Special Reinforced (SR) design on female thread outlets for superior strength.

O-ring Options

Choice of high grade Buna-N or EPDM O-rings for Schedule 40 and EPDM or FKM O-rings for Schedule 80, for application specific selection for optimum chemical resistance.

Multi-Bolt Design, Choice of Hardware

Positive attachment eliminates splitting problems associated with plastic wedge fasteners and outperforms 2-Bolt clamp saddle designs. Choose zinc plated or stainless steel nut, bolt and washer hardware.

Excellent Pressure Capabilities

Maximum internal pressure rating of 235 psi through 4", 200 psi for 6", and 150 psi for 8" - 12" at 73°F.

Sample Engineering Specification

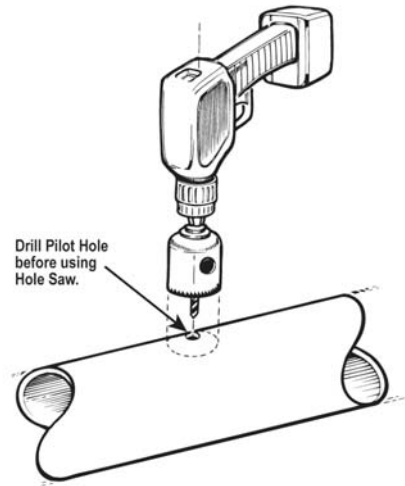
All thermoplastic saddles shall be clamp-on type with O-ring seal constructed from CPVC Type IV cell classification 23447. All O-rings shall be Buna-N, EPDM or FKM. All saddles shall be piloted at O-ring area for positive positioning in pipe. All bolt clamping hardware shall be zinc plated steel or stainless steel. All threaded saddle outlets shall be Special Reinforced (SR) design. Saddles shall be pressure rated at 235 psi for use on pipe sizes through 4" nominal IPS diameters, 200 psi for use on 6" pipe, and 150 psi for use on 8" - 12" pipe, maximum internal pressure for water at 73°F, as manufactured by Spears® Manufacturing Company.



Schedule 80 CPVC Technical Schedule 80 CPVC Saddles

Clamp-On Saddle Installation Instructions

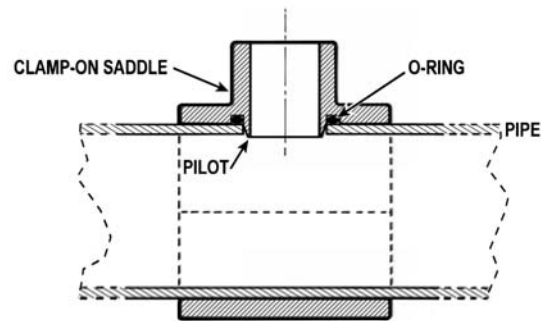
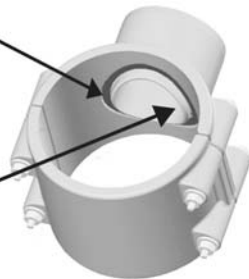
1. Using a standard industrial grade hole-saw, cut specified hole in desired position on pipe according to recommended hole saw size engraved on the saddle. **Note:** Care must be taken to deburr hole and remove all residue from hole area to assure tight fit and avoid leakage.
2. Fully seat O-ring in groove on underside of saddle outlet component. Position over hole and fully seat saddle onto pipe. Note: Certain saddle outlets are piloted. Be sure pilot lip fully engages with hole in pipe.
3. Place strap component opposite outlet and secure with bolts (4), nuts (4) and washers (8). Important: Washers **MUST** be placed under each bolt head (1) and under each nut (1) to avoid damage to saddle.
4. Tighten bolts to specified torque.



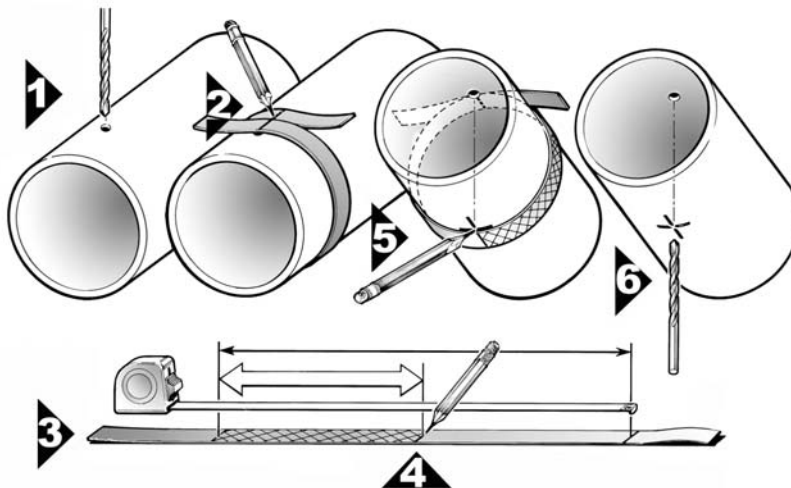
Saddle Size	2	3	4	6 & up
Recommended Bolt-Torque -ft/lb	8	8	8	10

O-ring seal provides positive, trouble-free sealing to pipe.

Special pilot engages with hole in pipe to prevent saddle dislocation.



For Double Outlet Saddle Installation —Determine second outlet hole position as shown

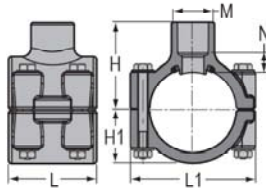


Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles



**Clamp-On Saddle x Socket
 Single Outlet, CPVC Gray**

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 866S-XXXC, 866V-XXXC & 866SV-XXXC



Part Number	Size	H	H1	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
866-247C	2X1/2	2- 3/8	1- 1/2	2- 7/16	3- 7/16	1- 3/16	5/16	8	3/4	4	.66
866-248C	2X3/4	2-9/16	1- 1/2	2- 7/16	3- 7/16	1- 3/8	5/16	8	7/8	4	.67
866-249C	2X1	2-11/16	1- 1/2	2- 7/16	3- 7/16	1-11/16	5/16	8	1-1/8	4	.69
866-250C	2X1-1/4	2-13/16	1- 1/2	2- 7/16	3- 7/16	2- 1/16	5/16	8	1-1/2	4	.71
866-251C	2X1-1/2	2-15/16	1- 1/2	2- 7/16	3- 7/16	2-13/32	11/32	8	1-1/2	4	.77
866-291C	2-1/2X1-1/2	3- 3/16	1-3/4	4-1/8	4-1/8	2-13/32	11/32	8	7/8	4	1.12
866-333C ¹	3X1/2	3-11/32	2	3	4-3/4	1- 3/8	11/16	8	7/8	4	.96
866-334C	3X3/4	3- 1/16	2	3	4-3/4	1- 3/8	9/32	8	1-1/8	4	.93
866-335C	3X1	3- 3/16	2	3	4-3/4	1-11/16	9/32	8	2-1/4	4	.95
866-336C ¹	3X1-1/4	3-15/16	2	4-1/8	4-3/4	3	15/16	8	2-1/4	4	1.53
866-337C ¹	3X1-1/2	3-7/8	2	4-1/8	4-3/4	3	23/32	8	2-1/4	4	1.48
866-338C	3X2	3-11/16	2	4-1/8	4-3/4	3	3/8	8	1-1/8	4	1.32
866-415C ¹	4X1/2	4-1/32	2- 5/8	3	5-13/16	1-11/16	29/32	8	1-1/8	4	1.40
866-416C ¹	4X3/4	4-1/32	2- 5/8	3	5-13/16	1-11/16	25/32	8	1-1/8	4	1.37
866-417C	4X1	3-27/32	2- 5/8	3	5-13/16	1-11/16	13/32	8	1-1/8	4	1.33
866-418C ¹	4X1-1/4	4-3/8	2- 5/8	4-1/8	5-13/16	2-7/16	27/32	8	1-3/4	4	1.76
866-419C	4X1-1/2	4-1/16	2- 5/8	4-1/8	5-13/16	2-7/16	13/32	8	1-3/4	4	1.69
866-420C	4X2	4-1/4	2- 5/8	4- 1/8	5-13/16	3	7/16	8	2-1/4	4	1.81
866-421C ¹	4X2-1/2	5	2- 5/8	5-1/2	5-13/16	4- 9/32	31/32	8	3	4	2.98
866-422C	4X3	4-11/16	2-5/8	5-1/2	5-13/16	4-9/32	17/32	8	3	4	2.57
866-523C ¹	6X1/2	5-3/8	3-13/16	3	8-3/16	1-11/16	1-1/8	10	1-1/8	4	2.61
866-524C ¹	6X3/4	5-11/32	3-13/16	3	8-3/16	1-11/16	1	10	1-1/8	4	2.57
866-525C	6X1	5- 1/8	3-13/16	3	8-3/16	1-11/16	5/8	10	1-1/8	4	2.54
866-526C ¹	6X1-1/4	5-11/16	3-13/16	4- 1/8	8-3/16	3	1-1/8	10	2-1/4	4	3.55
866-527C ¹	6X1-1/2	5-11/16	3-3/16	4- 1/8	8-3/16	3	1- 1/4	10	2-1/4	4	3.50
866-528C	6X2	5- 1/2	3-13/16	4- 1/8	8-3/16	3	11/16	10	2-1/4	4	3.34
866-529C ¹	6X2-1/2	6-7/32	3-13/16	6	8-3/16	4-9/32	1-1/8	10	2-1/4	4	5.15
866-530C	6X3	5-7/8	3-13/16	6	8-3/16	4-9/32	11/16	10	3	4	4.74
866-532C	6X4	6	3-13/16	6-1/16	9-13/16	5-1/4	7/16	10	4	6	5.55
866-573C ¹	8X1/2	6-3/4	4- 7/8	8-1/2	10-1/16	5-1/4	1-9/16	10	2-1/8	6	8.89
866-574C ¹	8X3/4	6-11/16	4- 7/8	8- 1/2	10-1/16	3	1-3/8	10	2-1/8	6	8.87
866-575C ¹	8X1	6-3/4	4- 7/8	8- 1/2	10-1/16	3	1-5/16	10	2-1/8	6	8.85
866-576C ¹	8X1-1/4	6-5/8	4- 7/8	8- 1/2	10-1/16	3	1-1/16	10	2-1/8	6	10.56
866-577C ¹	8X1-1/2	6-11/16	4- 7/8	8- 1/2	10-1/16	3	1	10	2-1/8	6	10.53
866-578C	8X2	6-1/2	4- 7/8	8- 1/2	10-1/16	3	11/16	10	2-1/8	6	8.60
866-579C ¹	8X2-1/2	7-5/8	4- 7/8	8-1/2	10-1/16	5-1/4	1-1/2	10	4	6	10.07
866-580C ¹	8X3	7-5/8	4- 7/8	8- 1/2	10-1/16	5-1/4	1-7/16	10	4	6	9.86
866-582C	8X4	7- 5/16	4- 7/8	8- 1/2	10-1/16	5- 1/4	11/16	10	4	6	9.00
866-585C	8X6	8- 3/32	4- 7/8	8- 1/2	10-1/16	7-11/16	11/16	10	6	6	10.35
866-621C ¹	10X2	8-13/16	6	8-1/2	12-1/4	5-1/4	1-15/16	10	4	6	13.99
866-624C	10X4	8-7/16	6	8- 1/2	12-1/4	5- 1/4	13/16	10	4	6	12.89
866-626C	10X6	9-3/16	6	8- 1/2	12-1/4	7-11/16	13/16	10	6	6	13.89

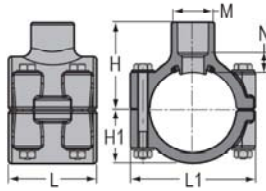


Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles

Clamp-On Saddle x Socket
Single Outlet, CPVC Gray

(Continued)

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 866S-XXXC, 866V-XXXC & 866SV-XXXC

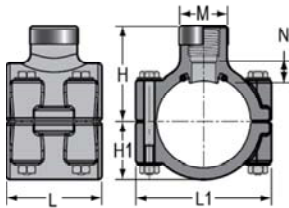


Part Number	Size	H	H1	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
866-664C	12X4	9-1/2	7-1/8	8- 1/2	14-1/4	5- 1/4	7/8	10	4	6	16.59
866-666C	12X6	10-5/16	7-1/8	8- 1/2	14-1/4	7-11/16	7/8	10	6	6	17.59

¹ Outlet-sized with Bushing

Clamp-On Saddle x SR Thread
Single Outlet, CPVC Gray

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 867S-XXXCSR, 867V-XXXCSR
 & 867SV-XXXCSR



Part Number	Size	H	H1	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
867-247CSR	2X1/2	2-13/32	1- 1/2	2- 7/16	3- 7/16	1-7/32	1/2	8	3/4	4	.68
867-248CSR	2X3/4	2-9/16	1- 1/2	2- 7/16	3- 7/16	1- 3/8	5/8	8	7/8	4	.69
867-249CSR	2X1	2-11/16	1- 1/2	2- 7/16	3- 7/16	1-23/32	9/16	8	1-1/8	4	.72
867-250CSR	2X1-1/4	2-13/16	1- 1/2	2- 7/16	3- 7/16	2- 1/16	11/16	8	1-1/2	4	.76
867-251CSR	2X1-1/2	2-15/16	1- 1/2	2- 7/16	3- 7/16	2-7/16	1-3/16	8	1-1/2	4	.82
867-291CSR	2-1/2X1-1/2	3- 3/16	1-3/4	4-1/8	4-1/8	2-7/16	13/16	8	1-3/4	4	1.18
867-333CSR ¹	3X1/2	3- 5/16	2	3	4-3/4	1- 3/8	13/16	8	7/8	4	.97
867-334CSR	3X3/4	3- 1/16	2	3	4-3/4	1- 3/8	19/32	8	7/8	4	.95
867-335CSR	3X1	3- 3/16	2	3	4-3/4	1-23/32	17/32	8	1-1/8	4	.98
867-336CSR ¹	3X1-1/4	3-7/8	2	4-1/8	4-3/4	3-1/32	1-3/16	8	2-1/4	4	1.61
867-337CSR ¹	3X1-1/12	3-7/8	2	4-1/8	4-3/4	3-1/32	1-3/16	8	2-1/4	4	1.56
867-338CSR	3X2	3-11/16	2	4-1/8	4-3/4	3	15/16	8	2-1/4	4	1.44
867-415CSR ¹	4X1/2	4-1/32	2- 5/8	3	5-13/16	1-23/32	1-1/16	8	1-1/8	4	1.41
867-416CSR ¹	4X3/4	4-1/8	2- 5/8	3	5-13/16	1-23/32	1-5/32	8	1-1/8	4	1.41
867-417CSR	4X1	3-7/8	2- 5/8	3	5-13/16	1-23/32	11/16	8	1-1/8	4	1.37
867-418CSR ¹	4X1-1/4	4-7/32	2- 5/8	4-1/8	5-13/16	2-7/16	1-1/32	8	1-3/4	4	1.82
867-419CSR	4X1-1/2	4-1/16	2- 5/8	4-1/8	5-13/16	2-7/16	7/8	8	1-3/4	4	1.80
867-420CSR	4X2	4-1/4	2- 5/8	4- 1/8	5-13/16	3-1/32	1	8	2-1/4	4	1.90
867-421CSR ¹	4X2-1/2	5-5/32	2- 5/8	5-1/2	5-13/16	4-5/16	1-5/16	8	3	4	3.15
867-422CSR	4X3	4-3/4	2-5/8	5-1/2	5-13/16	4-5/16	1	8	3	4	2.78
867-523CSR ¹	6X1/2	5-11/32	3-13/16	3	8-3/16	1-23/32	1-5/16	8	1-1/8	4	2.62
867-524CSR ¹	6X3/4	5-3/8	3-13/16	3	8-3/16	1-23/32	1-11/32	10	1-1/8	4	2.61
867-525CSR	6X1	5- 1/8	3-13/16	3	8-3/16	1-32/32	7/8	10	1-1/8	4	2.58
867-526CSR ¹	6X1-1/4	5-3/4	3-13/16	4- 1/8	8-3/16	3-1/32	1-7/16	10	2-1/4	4	3.63
867-527CSR ¹	6X1-1/2	5-3/4	3-13/16	4- 1/8	8-3/16	3-1/32	1-7/16	10	2-1/4	4	3.58
867-528CSR	6X2	5- 1/2	3-13/16	4- 1/8	8-3/16	3-1/32	1-3/16	10	2-1/4	4	3.43
867-529CSR ¹	6X2-1/2	6-9/32	3-13/16	6	8-3/16	4-5/16	1-13/32	10	3	4	5.31

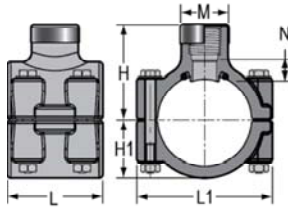
Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles



**Clamp-On Saddle x SR Thread
 Single Outlet, CPVC Gray**

(Continued)

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 867S-XXXCSR, 867V-XXXCSR
 & 867SV-XXXCSR

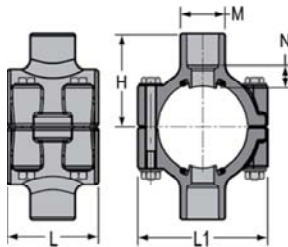


Part Number	Size	H	H1	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
867-530CSR	6X3	5-7/8	3-13/16	6	8-3/16	4-5/16	15/32	10	3	4	4.92
867-532CSR	6X4	6	3-13/16	6-1/16	9-13/16	5-1/4	1-3/16	10	4	4	5.89
867-573CSR ¹	8X1/2	6-15/16	4-7/8	8-1/2	10-1/16	3	1-7/8	10	2-1/8	6	8.88
867-574CSR	8X3/4	6-15/16	4-7/8	8-1/2	10-1/16	3	1-13/16	10	2-1/8	6	8.90
867-575CSR ¹	8X1	6-15/16	4-7/8	8-1/2	10-1/16	3	1-11/16	10	2-1/8	6	8.92
867-576CSR ¹	8X1-1/4	6-3/4	4-7/8	8-1/2	10-1/16	3-1/32	1-7/16	10	2-1/8	6	8.89
867-577CSR ¹	8X1-1/2	6-3/4	4-7/8	8-1/2	10-1/16	3-1/32	1-7/16	10	2-1/8	6	8.84
867-578CSR ¹	8X2	6-1/2	4-7/8	8-1/2	10-1/16	3-1/32	1-7/32	10	2-1/8	6	8.61
867-579CSR ¹	8X2-1/2	7-11/16	4-7/8	8-1/2	10-1/16	5-1/4	1-3/4	10	4	6	10.15
867-580CSR ¹	8X3	7-11/16	4-7/8	8-1/2	10-1/16	5-1/4	1-13/16	10	4	6	9.93
867-582CSR	8X4	7-5/16	4-7/8	8-1/2	10-1/16	5-1/4	1-1/2	10	4	6	9.31
867-585CSR	8X6	8-1/16	4-7/8	8-1/2	10-1/16	7-21/32	2-1/4	10	6	6	10.85
867-624CSR	10X4	8-7/16	6	8-1/2	12-1/4	5-1/4	1-17/32	10	4	6	13.14
867-626CSR	10X6	9-7/32	6	8-1/2	12-1/4	7-21/32	2-5/16	10	6	6	14.55
867-664CSR	12X4	9-1/2	7-1/8	8-1/2	14-1/4	5-1/4	1-5/8	10	4	6	16.77
867-666CSR	12X6	10-9/32	7-1/8	8-1/2	14-1/4	7-21/32	2-3/8	10	6	6	18.23

¹ Outlet-sized with Bushing

**Clamp-On Saddle x Socket
 Double Outlet, CPVC Gray**

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 868S-XXXC, 868V-XXXC & 868SV-XXXC



Part Number	Size	H	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
868-247C	2X1/2	2-3/8	2-7/16	3-7/16	1-3/16	5/16	8	3/4	4	.69
868-248C	2X3/4	2-9/16	2-7/16	3-7/16	1-3/8	5/16	8	7/8	4	.70
868-249C	2X1	2-11/16	2-7/16	3-7/16	1-11/16	5/16	8	1-1/8	4	.75
868-250C	2X1-1/4	2-13/16	2-7/16	3-7/16	2-1/16	5/16	8	1-1/2	4	.78
868-251C	2X1-1/2	2-15/16	2-7/16	3-7/16	2-13/32	11/32	8	1-1/2	4	.91
868-291C	2-1/2X1-1/2	3-3/16	4-1/8	4-1/8	2-11/32	11/32	8	1-3/4	4	1.27
868-333C ¹	3X1/2	3-11/32	3	4-3/4	1-3/8	11/16	8	7/8	4	1.02
868-334C	3X3/4	3-1/16	3	4-3/4	1-3/8	9/32	8	7/8	4	.97
868-335C	3X1	3-3/16	3	4-3/4	1-11/16	9/32	8	1-1/8	4	1.00
868-336C ¹	3X1-1/4	3-15/16	4-1/8	4-3/4	3	15/16	8	2-1/4	4	1.97
868-337C ¹	3X1-1/2	3-7/8	4-1/8	4-3/4	3	23/32	8	2-1/4	4	1.87
868-338C	3X2	3-11/16	4-1/8	4-3/4	3	3/8	8	2-1/4	4	1.56
868-415C ¹	4X1/2	4-1/32	3	5-13/16	1-11/16	29/32	8	1-1/8	4	1.53

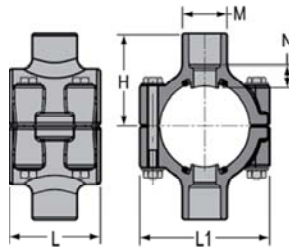


Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles

**Clamp-On Saddle x Socket
Double Outlet, CPVC Gray**

(Continued)

with EPDM O-ring Seal & Zinc-Plated Hardware
2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
Dimensions Also Applicable to
868S-XXXC, 868V-XXXC & 868SV-XXXC



Part Number	Size	H	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
868-416C ¹	4X3/4	4-1/32	3	5-13/16	1-11/16	25/32	8	1-1/8	4	1.47
868-417C	4X1	3-27/32	3	5-13/16	1-11/16	13/32	8	1-1/8	4	1.40
868-418C ¹	4X1-1/4	4-3/8	4-1/8	5-13/16	2-7/16	27/32	8	1-3/4	4	1.93
868-419C	4X1-1/2	4-1/16	4-1/8	5-13/16	2-7/16	13/32	8	1-3/4	4	1.79
868-420C	4X2	4-1/4	4-1/8	5-13/16	3	7/16	8	2-1/4	4	2.04
868-421C ¹	4X2-1/2	5	5-1/2	5-13/16	4-9/32	31/32	8	3	4	3.96
868-422C	4X3	4-11/16	5-1/2	5-13/16	4-9/32	17/32	8	3	4	3.14
868-523C ¹	6X1/2	5-5/16	3	8-3/16	1-11/16	1-1/8	8	1-1/8	4	2.74
868-524C ¹	6X3/4	5-11/32	3	8-3/16	1-11/16	1	10	1-1/8	4	2.67
868-525C	6X1	5-1/8	3	8-3/16	1-11/16	5/8	10	1-1/8	4	2.60
868-526C ¹	6X1-1/4	5-11/16	4-1/8	8-3/16	3	1-1/8	10	2-1/4	4	3.96
868-527C ¹	6X1-1/2	5-11/16	4-1/8	8-3/16	3	1	10	2-1/4	4	3.86
868-528C	6X2	5-1/2	4-1/8	8-3/16	3	11/16	10	2-1/4	4	3.55
868-529C ¹	6X2-1/2	6-7/32	6	8-3/16	4-9/32	1-1/8	10	3	4	6.08
868-530C	6X3	5-7/8	6	8-3/16	4-9/32	11/16	10	3	4	5.26
868-532C	6X4	6	6-1/16	9-13/16	5-1/4	7/16	10	4	6	6.10
868-573C ¹	8X1/2	6-3/4	8-1/2	10-1/16	3	1-9/16	10	2-1/8	6	9.42
868-574C ¹	8X3/4	6-11/16	8-1/2	10-1/16	3	1-3/8	10	2-1/8	6	9.38
868-575C ¹	8X1	6-3/4	8-1/2	10-1/16	3	1-5/16	10	2-1/8	6	9.33
868-576C ¹	8X1-1/4	6-5/8	8-1/2	10-1/16	3	1-1/16	10	2-1/8	6	12.76
868-577C ¹	8X1-1/2	6-11/16	8-1/2	10-1/16	3	1	10	2-1/8	6	12.70
868-578C ¹	8X2	6-1/2	8-1/2	10-1/16	3	1-7/8	10	2-1/8	6	8.83
868-579C ¹	8X2-1/2	7-5/8	8-1/2	10-1/16	5-1/4	1-1/2	10	4	6	11.78
868-580C ¹	8X3	7-5/8	8-1/2	10-1/16	5-1/4	1-7/16	10	4	6	11.36
868-582C	8X4	7-5/16	8-1/2	10-1/16	5-1/4	11/16	10	4	6	9.64
868-585C	8X6	8-3/32	8-1/2	10-1/16	7-11/16	11/16	10	6	6	12.33
868-624C	10X4	8-7/16	8-1/2	12-1/4	5-1/4	13/16	10	4	6	13.47
868-626C	10X6	9-3/16	8-1/2	12-1/4	7-11/16	13/16	10	6	6	15.46
868-664C	12X4	9-1/2	8-1/2	14-1/4	5-1/4	7/8	10	4	6	17.10
868-666C	12X6	10-5/16	8-1/2	14-1/4	7-11/16	7/8	10	6	6	19.09

¹ Outlet-sized with Bushing

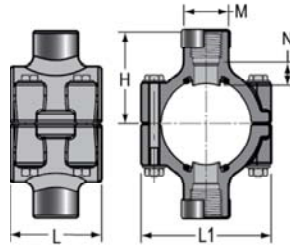


Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles



**Clamp-On Saddle x SR Thread
 Double Outlet, CPVC Gray**

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 869S-XXXCSR, 869V-XXXCSR
 & 869SV-XXXCSR



Part Number	Size	H	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
869-247CSR	2X1/2	2-13/32	2- 7/16	3- 7/16	1-7/32	1/2	8	3/4	4	.72
869-248CSR	2X3/4	2-9/16	2- 7/16	3- 7/16	1- 3/8	5/8	8	7/8	4	.75
869-249CSR	2X1	2-11/16	2- 7/16	3- 7/16	1-23/32	9/16	8	1-1/8	4	.79
869-250CSR	2X1-1/4	2-13/16	2- 7/16	3- 7/16	2- 1/16	11/16	8	1-1/2	4	.88
869-251CSR	2X1-1/2	2-15/16	2- 7/16	3- 7/16	2-7/16	13/16	8	1-1/2	4	1.00
869-291CSR	2-1/2X1-1/2	3- 3/16	4-1/8	4-1/8	2-7/16	13/16	8	1-3/4	4	1.40
869-333CSR ¹	3X1/2	3- 5/16	3	4-3/4	1- 3/8	13/16	8	7/8	4	1.05
869-334CSR	3X3/4	3- 1/16	3	4-3/4	1- 3/8	19/32	8	7/8	4	1.00
869-335CSR	3X1	3- 3/16	3	4-3/4	1-23/32	17/32	8	1-1/8	4	1.06
869-336CSR ¹	3X1-1/4	3-7/8	4-1/8	4-3/4	3-1/32	1-3/16	8	2-1/4	4	2.13
869-337CSR ¹	3X1-1/2	3-7/8	4-1/8	4-3/4	3-1/32	1-3/16	8	2-1/4	4	2.04
869-338CSR	3X2	3-11/16	4-1/8	4-3/4	3-1/32	15/16	8	2-1/4	4	1.79
869-415CSR ¹	4X1/2	4-1/32	3	5-13/16	1-23/32	1-1/16	8	1-1/8	4	1.55
869-416CSR ¹	4X3/4	4-3/32	3	5-13/16	1-23/32	1- 1/8	8	1-1/8	4	1.54
869-417CSR	4X1	3-7/8	3	5-13/16	1-23/32	11/16	8	1-1/8	4	1.46
869-418CSR ¹	4X1-1/4	4-7/32	4-1/8	5-13/16	2-7/16	1-1/32	8	1-3/4	4	2.05
869-419CSR	4X1-1/2	4-1/16	4-1/8	5-13/16	2-7/16	7/8	8	1-3/4	4	2.01
869-420CSR	4X2	4-1/4	4- 1/8	5-13/16	3-1/32	1	8	2-1/4	4	2.20
869-421CSR ¹	4X2-1/2	5-5/32	5-1/2	5-13/16	4-5/16	1-5/16	8	3	4	4.29
869-422CSR	4X3	4-3/4	5-1/2	5-13/16	4-5/16	31/32	1	3	4	3.55
869-523CSR ¹	6X1/2	5-11/32	3	8-3/16	1-23/32	1-5/16	8	1-1/8	4	2.75
869-524CSR ¹	6X3/4	5-3/8	3	8-3/16	1-23/32	1-11/32	10	1-1/8	4	2.75
869-525CSR	6X1	5- 1/8	3	8-3/16	1-23/32	7/8	10	1-1/8	4	2.68
869-526CSR ¹	6X1-1/4	5-3/4	4- 1/8	8-3/16	3-1/32	1-7/16	10	2-1/4	4	4.13
869-527CSR ¹	6X1-1/2	5-3/4	4- 1/8	8-3/16	3-1/32	1-7/16	10	2-1/4	4	4.03
869-528CSR	6X2	5- 1/2	4- 1/8	8-3/16	3-1/32	1-3/16	10	2-1/4	4	3.73
869-529CSR ¹	6X2-1/2	6-9/32	6	8-3/16	4-5/16	1-13/32	10	3	4	6.40
869-530CSR	6X3	5-7/8	6	8-3/16	4-5/16	1-5/32	10	3	4	5.61
869-532CSR	6X4	6	6-1/16	9-13/16	5-1/4	1-3/16	10	4	4	6.79
869-573CSR ¹	8X1/2	6-15/16	8- 1/2	10-1/16	3	1-7/8	10	2-1/8	6	9.40
869-574CSR ¹	8X3/4	6-15/16	8- 1/2	10-1/16	3	1-13/16	10	2-1/8	6	9.43
869-575CSR ¹	8X1	6-15/16	8- 1/2	10-1/16	3	1-11/16	10	2-1/8	6	9.47
869-576CSR ¹	8X1-1/4	6-3/4	8- 1/2	10-1/16	3-1/32	1-7/16	10	2-1/8	6	9.41
869-577CSR ¹	8X1-1/2	6-3/4	8- 1/2	10-1/16	3-1/32	1-7/16	10	2-1/8	6	9.31
869-578CSR ¹	8X2	6-1/2	8- 1/2	10-1/16	3-1/32	1-7/32	10	2-1/8	6	8.85
869-579CSR ¹	8X2-1/2	7-11/16	8- 1/2	10-1/16	5- 1/4	1-3/4	10	4	6	11.94
869-580CSR ¹	8X3	7-11/16	8- 1/2	10-1/16	5- 1/4	1-13/16	10	4	6	11.50
869-582CSR	8X4	7- 5/16	8- 1/2	10-1/16	5- 1/4	1- 1/2	10	4	6	10.26
869-585CSR	8X6	8-1/16	8- 1/2	10-1/16	7-21/32	2-1/4	10	6	6	13.33
869-624CSR	10X4	8-7/16	8- 1/2	12-1/4	5- 1/4	1-17/32	10	4	6	13.97
869-626CSR	10X6	9-7/32	8- 1/2	12-1/4	7-21/32	2-5/16	10	6	6	16.78
869-664CSR	12X4	9-1/2	8- 1/2	14-1/4	5- 1/4	1- 5/8	10	4	6	17.47

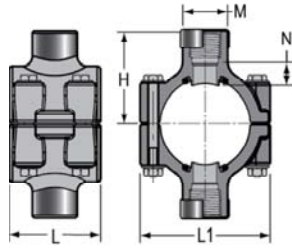


Schedule 80 CPVC Technical
Schedule 80 CPVC Saddles

**Clamp-On Saddle x SR Thread
 Double Outlet, CPVC Gray**

(Continued)

with EPDM O-ring Seal & Zinc-Plated Hardware
 2"- 4" 235, 6" 200, 8"-12" 150 psi @ 73°F (23°C)
 Dimensions Also Applicable to
 869S-XXXCSR, 869V-XXXCSR
 & 869SV-XXXCSR



Part Number	Size	H	L	L1	M	N	Bolt Torque FT./LBS.	Hole Size	No of Bolts	Approx. Wt. (Lbs.)
869-666CSR	12X6	10- 3/8	8- 1/2	14- 5/16	7- 5/8	2- 1/4	10	6	6	20.38

¹ Outlet-sized with Bushing





CPVC Pipe Flange Dimensions & Information



ENGINEERING GUIDE

Contact Spears® for any Information not found.



The information contained in this publication is based on current information and Product design at the time of publication and is subject to change without notification. Our ongoing commitment to product improvement may result in some variation. No representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or results to be obtained therefrom. For verification of technical data or additional information not contained herein, please contact Spears® Technical Services Department [West Coast: (818) 364-1611 - East Coast: (678) 985-1263].

GENERAL INFORMATION

Recommendations For Installers And 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.**

Solvent Weld Connections - Use quality solvent cements and primers formulated for the intended service application, pipe size and type of joint. While the pipe and fitting materials may be compatible with the intended medium, the solvent cement may not be. Consult the manufacturer for suitability of use. Read and follow the cement and primer manufacturers' applications and cure time instructions thoroughly. Be sure to use the correct size applicator.

Threaded Connections - Use a quality grade thread sealant. **WARNING: SOME PIPE JOINT COMPOUNDS OR PTFE 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 manufacturer's 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 thread connection. Unnecessary **OVERTIGHTENING** will cause **DAMAGE TO BOTH PIPE AND FITTING.**

"Lead Free" low lead certification - unless otherwise specified, all Spears® Thermoplastic Flanges specified here-in are certified by NSF International to ANSI/NSF® Standard 61, Annex G and is in compliance with California's Health & Safety Code Section 116825 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content $\leq 0.25\%$.





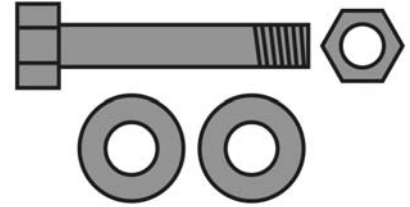
Schedule 80 CPVC Technical CPVC Pipe Flange Overview

Bolt Kit Selection Guide

**Bolt Hardware Kits Available
For Connection of 2-Spears® Flanges
Includes Bolts, Nuts & Flat Washers for Specified Flange Size**

Order Gaskets & Bolt Kits Separately

- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 316 Stainless Steel or Type 304 Stainless Steel



Flange Size	Bolts* Per Kit	Diameter (in.-TPI)	Length (in.)	Kit Part Number		
				Zinc	316 SS	304 SS
1/2	4	1/2 - 13	2	HK-005	HK1-005	HK2-005
3/4 & 1	4	1/2 - 13	2-1/4	HK-010	HK1-010	HK2-010
1-1/4 & 1-1/2	4	1/2 - 13	2-1/2	HK-015	HK1-015	HK2-015
2	4	5/8 - 11	3	HK-020	HK1-020	HK2-020
2-1/2	4	5/8 - 11	3-1/4	HK-025	HK1-025	HK2-025
3	4	5/8 - 11	3-1/2	HK-030	HK1-030	HK2-030
4	8	5/8 - 11	3-1/2	HK-040	HK1-040	HK2-040
5 & 6	8	3/4 - 10	4	HK-060	HK1-060	HK2-060
8	8	3/4 - 10	4-1/2	HK-080	HK1-080	HK2-080
10 & 12	12	7/8 - 9	5	HK-120	HK1-120	HK2-120

* Each Bolt Includes Nut & Two (2) Flat Washers

Bolt Torque

Recommended Bolt Torque is shown in **Table 1**. Threads should be clean and well lubricated. Actual field conditions may require variations in these recommendations. **CAUTION: UNNECESSARY OVER TORQUING WILL DAMAGE THE FLANGE.**

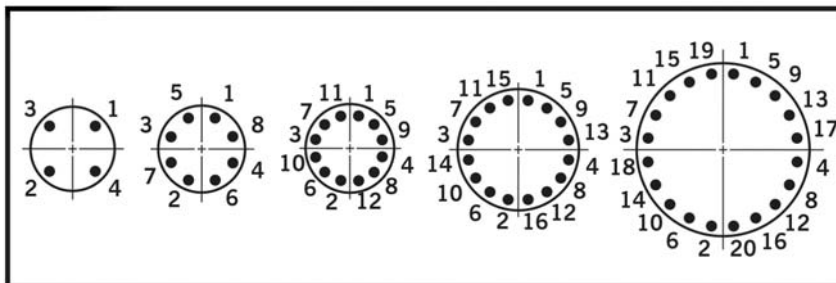
Table 1

Flange Size (in.)	Recommended Torque (ft. lbs.)
1/2 - 1-1/2	12
2 - 4	25
5	30
6 - 8	40
10	64
12	95
14 - 24	110

Torque Sequence

Bolt Torque sequence is shown Below in **Table 2**.

Table 2





Gaskets

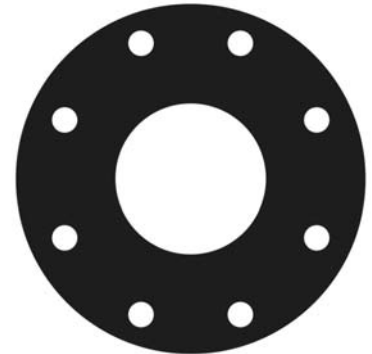
Full faced, 1/8" thick elastomer gaskets with a Shore "A" Durometer of approximately 70 is recommended.

Gasket Selection Guide

Following Gasket Numbers Available from Spears®

Order Gaskets & Bolt Kits Separately

- 1/8" Full-Face design with ANSI Class 150 Bolt Patterns
- Pressure rated to 150 psi @ 73°F
- Available in Buna-N, EPDM, or FKM



Flange Size	Bolts Per Kit	Gasket Part Number		
		Buna-N	EPDM	FKM
1/2	4	GK1-005	GK2-005	GK3-005
3/4	4	GK1-007	GK2-007	GK3-007
1	4	GK1-010	GK2-010	GK3-010
1-1/4	4	GK1-012	GK2-012	GK3-012
1-1/2	4	GK1-015	GK2-015	GK3-015
2	4	GK1-020	GK2-020	GK3-020
2-1/2	4	GK1-025	GK2-025	GK3-025
3	4	GK1-030	GK2-030	GK3-030
4	8	GK1-040	GK2-040	GK3-040
5	8	GK1-050	GK2-050	GK3-050
6	8	GK1-060	GK2-060	GK3-060
8	8	GK1-080	GK2-080	GK3-080
10	12	GK1-100	GK2-100	GK3-100
12	12	GK1-120	GK2-120	GK3-120

Flange Make-up

Once a flange is joined to pipe, the method for joining two flanges is as follows:

1. 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.
2. With gasket in place, align the bolt holes of the mating flanges by rotating the ring into position.
3. Insert all bolts, washers (two standard flat washers per bolt), and nuts.
4. Make sure the faces of the mating surfaces are flush against gasket prior to bolting down the flanges.
5. 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 **Table 2** following a 180° opposing sequence.
6. 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.

Configuration Terminology

Multi-Bolt Pattern Ring - Bolt hole drilling accepts ANSI and Metric Flanges

Socket - Slip socket connection for solvent cement welding

Spigot - Pipe O.D. connection for solvent welding

Fipt - Female Iron Pipe Thread

SR Fipt - Spears® patented Special Reinforced (SR) plastic thread

IPS - Iron Pipe Size

PIP - Plastic Irrigation Pipe



Schedule 80 CPVC Technical CPVC Pipe Flange Overview

Molded Flange Technical Information

Application

Molded CLASS 150 Flange fittings are coupling devices designed for joining IPS (Iron Pipe Size) plastic piping systems, where frequent disassembly may be required, and can be used as a transitional fitting for joining plastic to metal piping systems. Suitability of application is at the discretion of the user.

Pressure Rating

150 psi, water at 73°F.

Flange Types

One Piece - Available in socket configuration, sizes 1/2" through 8"; threaded and SR threaded (Special Reinforced) configuration sizes 1/2" through 4".

Van Stone Style - Two-piece design with rotating flange ring, available in socket configurations, sizes 1/2" through 18"; threaded configurations, sizes 1/2" through 4" and spigot configurations, sizes 1/2" through 12".

Blind - Closed ring design for capping off a mating flange, flanged fitting or flanged valve, available in sizes 1/2" through 12".

Materials

All injection molded flanges are produced from CPVC materials approved for potable water use by the NSF International (NSF®).

Glass-filled CPVC materials may be used in certain Van Stone Style flange rings and large diameter Blind flanges where additional reinforcement is deemed necessary.

Conformance Standards

Socket I.D. & Spigot O.D. - ASTM F 439 (CPVC).

Threads - ASTM F 1498.

Bolt Hole Pattern - ANSI B16.5; ASTM D 4024.

Material - ASTM D 1784 (CPVC Cell Classification 23447-B).

Weights & Dimensions

Specified minimum bolt lengths are based on the use of two Spears® Flanges, two standard flat washers, standard nut and 1/8" thick elastomer full face gasket. Mating with other brands or accessories may require variation. Bolts and gaskets are not supplied with flanges.

Dimension references:

L = Overall length of hub, $\pm 1/16$ inch.

M = Outside diameter of socket hub, $\pm 1/16$ inch.

N = (Laying Length) socket/spigot bottom to seal-ring face of flange, $\pm 1/16$ inch.

R = Height (thickness) of flange ring, $\pm 1/16$ inch.

Max O.D. = Outside diameter of ring, $\pm 1/16$ inch.

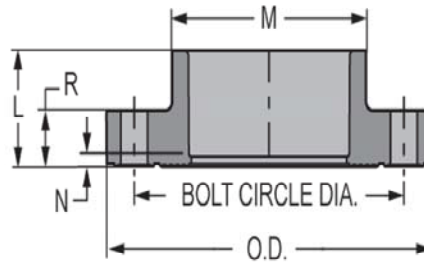
Bolt Circle Diameter = ANSI B 16.5 Standard; ASTM D 4024, $\pm 1/16$ inch.

Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information



Flange One Piece

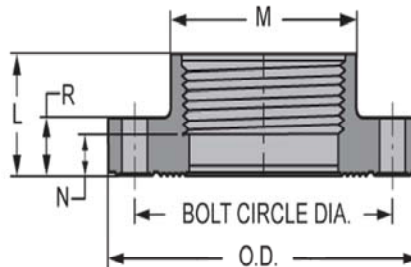
Socket



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	No of Bolts	Approx. Wt. (Lbs.)
851-005C	1/2	1-1/16	1-9/32	5/32	3-1/2	9/16	2-3/8	1/2	2	4	.22
851-007C	3/4	1-3/16	1-1/2	3/16	3-7/8	5/8	2-3/4	1/2	2	4	.28
851-010C	1	1-5/16	1-13/16	3/16	4-1/4	11/16	3-1/8	1/2	2-1/4	4	.46
851-012C	1-1/4	1-13/32	2-3/16	5/32	4-5/8	11/16	3-1/2	1/2	2-1/4	4	.44
851-015C	1-1/2	1-21/32	2-1/2	1/4	5-1/32	13/16	3-7/8	1/2	2-1/2	4	.62
851-020C	2	1-23/32	2-7/8	7/32	5-15/16	7/8	4-3/4	5/8	3	4	.95
851-025C	2-1/2	2-1/4	3-1/2	15/32	7	1-1/16	5-1/2	5/8	3-1/4	4	1.54
851-030C	3	2-5/16	4-9/32	7/16	7-9/16	1-3/32	6	5/8	3-1/4	4	1.86
851-040C	4	2-15/32	5-1/4	7/32	9-1/16	1-5/16	7-1/2	5/8	3-1/2	8	2.87
851-050C	5	3-7/32	6-3/8	3/16	10-3/16	1-1/32	8-1/2	3/4	3-1/4	8	3.17
851-060C	6	3-5/16	7-19/32	9/32	10-15/16	1-13/32	9-1/2	3/4	4	8	4.34
851-080C	8	4-21/32	9-3/4	19/32	13-17/32	1-23/32	11-11/16	3/4	4-1/2	8	8.28
851-100C	10	5-15/32	11-13/16	15/32	16	1-3/4	14-1/4	7/8	4	12	13.52
851-120C	12	6-5/8	14	5/8	19	2-1/4	17	7/8	5	12	18.81

Flange One Piece

Flt



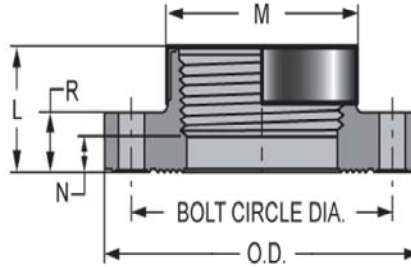
Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
852-005C	1/2	1-1/16	1-9/32	5/16	3-1/2	9/16	2-3/8	1/2	4	.22
852-007C	3/4	1-3/16	1-17/32	15/32	3-7/8	5/8	2-3/4	1/2	4	.29
852-010C	1	1-5/16	1-27/32	13/32	4-1/4	3/4	3-1/8	1/2	4	.49
852-012C	1-1/4	1-3/8	2-7/32	17/32	4-5/8	23/32	3-1/2	1/2	4	.45
852-015C	1-1/2	1-5/8	2-1/2	5/8	5-1/32	3/4	3-27/32	1/2	4	.63
852-020C	2	1-13/16	3	15/16	6	7/8	4-3/4	5/8	4	1.01
852-025C	2-1/2	2-1/4	3-1/2	11/16	7	1	5-1/2	5/8	4	1.64
852-030C	3	2-9/32	4-9/32	15/16	7-9/16	1-1/8	6	5/8	4	1.95
852-040C	4	2-15/32	5-7/32	1-1/8	9-1/16	1-7/32	7-1/2	5/8	8	3.05
852-060CF*	6	6-11/16	7-3/16	5-3/16	11	1-7/16	9-1/2	3/4	8	7.68
852-080CF*	8	8-7/16	9-5/16	6-11/16	13-5/8	1-3/4	11-3/4	3/4	8	13.92



Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information

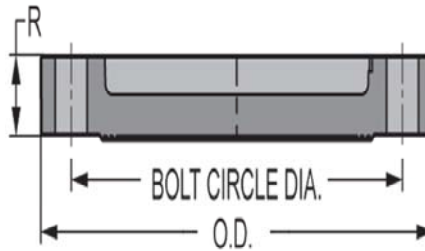
**Flange - Special Reinforced
 One Piece Threaded**

SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
852-005CSR	1/2	1- 3/32	1- 7/32	5/8	3- 1/2	9/16	2- 3/8	1/2	4	.21
852-007CSR	3/4	1- 3/16	1- 3/8	7/16	3- 7/8	5/8	2- 3/4	1/2	4	.29
852-010CSR	1	1- 7/16	1-23/32	9/16	4- 1/4	23/32	3- 1/8	1/2	4	.40
852-012CSR	1-1/4	1-17/32	2- 1/16	19/32	4- 5/8	3/4	3- 1/2	1/2	4	.51
852-015CSR	1-1/2	1-23/32	2- 7/16	25/32	5	25/32	3- 7/8	1/2	4	.67
852-020CSR	2	1-27/32	3- 1/32	15/16	5-31/32	7/8	4- 3/4	5/8	4	1.03
852-025CSR	2-1/2	2-3/32	3-19/32	25/32	7	1-1/16	5- 1/2	5/8	4	1.68
852-030CSR	3	2- 5/16	4-5/16	15/16	7-9/16	1-1/8	6	5/8	4	1.97
852-040CSR	4	2-15/32	5-1/4	1-3/16	9-1/16	1-7/32	7- 1/2	5/8	8	3.13

Flange - Blind



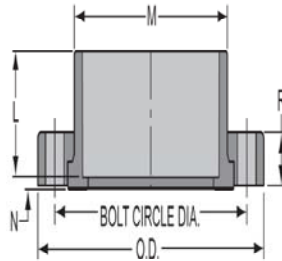
Part Number	Size	O.D.	R	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	No of Bolts	Approx. Wt. (Lbs.)
853-005C	1/2	3-17/32	9/16	2-3/8	1/2	2	4	.20
853-007C	3/4	3-7/8	5/8	2-3/4	1/2	2	4	.29
853-010C	1	4-1/4	23/32	3-1/8	1/2	2-1/4	4	.43
853-012C	1-1/4	4- 5/8	11/16	3- 1/2	1/2	2-1/4	4	.39
853-015C	1-1/2	5-1/16	23/32	3-27/32	1/2	2-1/2	4	.56
853-020C	2	5-31/32	27/32	4- 3/4	5/8	3	4	.87
853-025C	2-1/2	6-15/16	1-1/16	5- 1/2	5/8	3-1/4	4	1.63
853-030C	3	7- 1/2	1-3/16	6	5/8	3-1/4	4	1.87
853-040C	4	9- 1/16	1- 5/32	7- 1/2	5/8	3-1/2	8	2.53
853-060C	6	11-1/4	1- 3/8	9- 1/2	3/4	4	8	4.44
853-080C	8	13- 1/2	1- 7/16	11- 3/4	3/4	4-1/2	8	7.20
853-100C	10	16	1-11/16	14- 1/4	7/8	5	12	11.82
853-120C	12	19	1-11/16	17	7/8	5	12	17.20

Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information



Flange Van Stone Style with Plastic Ring

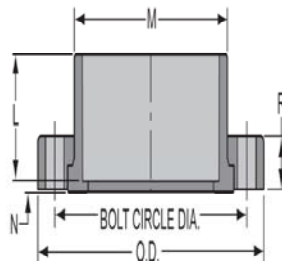
Socket



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	No of Bolts	Approx. Wt. (Lbs.)
854-005C	1/2	1-1/32	1-7/32	5/32	3-1/2	9/16	2-3/8	1/2	2	4	.19
854-007C	3/4	1- 1/8	1- 7/16	5/32	3- 7/8	9/16	2- 3/4	1/2	2	4	.27
854-010C	1	1-1/4	1- 3/4	1/8	4- 1/4	11/16	3- 1/8	1/2	2-1/4	4	.37
854-012C	1-1/4	1-3/8	2-1/8	1/8	4- 5/8	23/32	3- 1/2	1/2	2-1/4	4	.45
854-015C	1-1/2	1-1/2	2-7/16	1/8	5	13/16	3-7/8	1/2	2-1/2	4	.59
854-020C	2	1-21/32	2-31/32	1/8	6	7/8	4-3/4	5/8	3	4	.91
854-025C	2-1/2	2	3-5/8	7/32	7	1-1/32	5- 1/2	5/8	3-1/4	4	1.48
854-030C	3	2-1/8	4-1/4	1/4	7-1/2	1-1/8	6	5/8	3-1/4	4	1.78
854-040C	4	2-1/2	5-1/4	9/32	9-3/32	1-3/16	7-1/2	5/8	3-1/2	8	2.83
854-050C	5	2-31/32	6-9/32	5/16	10- 1/8	1-1/4	8- 1/2	3/4	3-3/4	8	3.39
854-060C	6	3-7/16	7-9/16	7/16	11-5/16	1-3/8	9-1/2	3/4	4	8	4.73
854-080C	8	4-13/32	9-5/16	5/16	13-9/16	1-1/2	11-3/4	3/4	4-1/2	8	7.00
854-100C	10	5-23/32	11-3/4	21/32	16-1/16	1-25/32	14-1/4	7/8	5	12	12.12
854-120C	12	6-19/32	13-3/4	5/8	19	1-13/16	17	7/8	5	12	18.28
854-140C	14	7-19/32	15-9/16	9/16	21	2-1/16	18-3/4	1	5-1/2	12	27.98
854-160C	16	8-5/8	17-13/16	17/32	23-1/2	2-15/32	21-1/4	1	6-1/2	16	49.76
854-180C	18	9-9/16	20	9/16	25-1/8	2-1/2	22- 3/4	1- 1/8	6-1/2	16	46.48

Flange Van Stone Style with Plastic Solid Ring

Socket



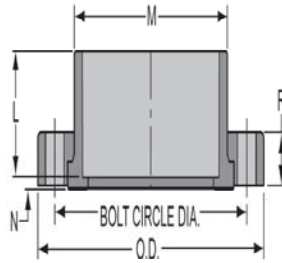
Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
S854-030C	3	2- 1/8	4- 1/4	1/4	7- 1/2	1- 1/16	6	5/8	4	1.96
S854-040C	4	2- 1/2	5- 1/4	1/4	9-3/32	1-3/16	7- 1/2	5/8	8	3.12
S854-060C	6	3-7/16	7- 9/16	7/16	11-7/32	1-3/8	9- 1/2	3/4	8	4.94
S854-080C	8	4- 3/8	9-15/32	9/32	13-9/16	1-15/32	11- 3/4	3/4	8	7.48
S854-100C	10	5-23/32	11- 3/4	21/32	16	1-25/32	14- 1/4	7/8	12	12.80
S854-120C	12	6-19/32	13- 3/4	5/8	19	1-13/16	17	7/8	12	18.37



Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information

Flange Van Stone Style with Plastic Ring ASTM

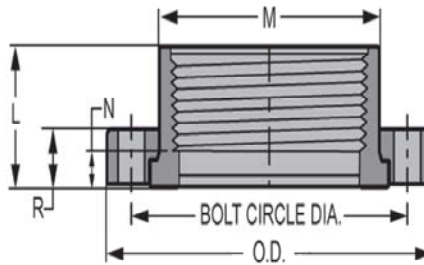
Socket x Multi-bolt Pattern Ring



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia Max	Bolt Circle Dia Min	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
M854-020C	2	1-11/16	2-31/32	5/32	6	13/16	4-15/16	4- 1/2	5/8	4	.86
M854-060C	6	3-7/16	7- 9/16	13/32	11-5/16	1-3/8	9-1/2	9-7/32	3/4	8	4.78
M854-080C	8	4-7/16	9-3/8	5/16	13-9/16	1-1/2	11-3/4	11- 1/2	3/4	8	7.14

Flange Van Stone Style with Plastic Ring

Fipt



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
855-005C	1/2	1- 1/32	1- 7/32	5/16	3- 1/2	9/16	2- 3/8	1/2	4	.20
855-007C	3/4	1- 5/32	1-15/32	3/8	3- 7/8	5/8	2- 3/4	1/2	4	.28
855-010C	1	1- 1/4	1- 3/4	5/16	4- 1/4	11/16	3- 1/8	1/2	4	.38
855-012C	1-1/4	1- 3/8	2- 1/8	13/32	4- 5/8	11/16	3- 1/2	1/2	4	.47
855-015C	1-1/2	1-15/32	2- 7/16	13/32	5	3/4	3- 7/8	1/2	4	.61
855-020C	2	1- 9/16	2-31/32	17/32	6	15/16	4- 3/4	5/8	4	.93
855-025C	2-1/2	2	3-5/8	7/16	7	1-1/32	5- 1/2	5/8	4	1.57
855-030C	3	2- 1/8	4- 1/4	9/16	7- 1/2	1-1/8	6	5/8	4	1.85
855-040C	4	2-1/32	5- 1/4	5/16	9-3/32	1-3/16	7- 1/2	5/8	8	2.78
855-060C ¹	6	6-19/32	7-21/32	4-15/16	11-7/32	1-3/8	9-1/2	3/4	8	7.97
855-080C ¹	8	8-1/16	9-23/32	6-3/16	13-9/16	1-15/32	11-3/4	3/4	8	13.66
855-060CF*	6	6-11/16	7-3/16	5-3/16	11-1/4	1-3/8	9-1/2	3/4	8	7.90
855-080CF*	8	8- 1/8	9- 5/16	6-3/8	13-5/8	1-9/16	11- 3/4	3/4	8	13.83
855-100CF*	10	10- 3/8	11- 9/16	8-1/2	16	1-3/4	14- 1/4	7/8	12	22.97
855-120CF*	12	11-7/8	13- 3/4	9- 3/4	19-1/16	1-3/4	17	7/8	12	35.10

¹ Flange assembled with molded Female Adapter

* Fabricated

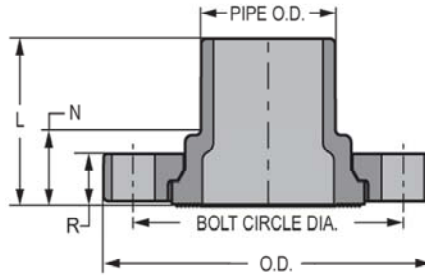


Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information



Flange Van Stone Style with Plastic Ring

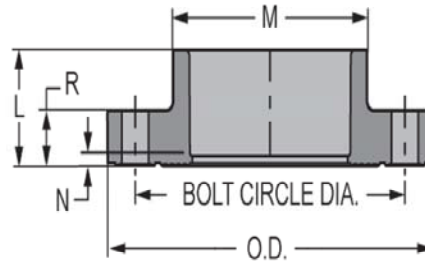
Spigot



Part Number	Size	L	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
856-005C	1/2	1-3/4	7/8	3-1/2	9/16	2-3/8	1/2	4	.21
856-007C	3/4	1-15/16	15/16	3-7/8	5/8	2-3/4	1/2	4	.29
856-010C	1	2-5/32	1-1/32	4-1/4	11/16	3-1/8	1/2	4	.41
856-012C	1-1/4	2-5/16	1-1/16	4-5/8	23/32	3-1/2	1/2	4	.50
856-015C	1-1/2	2-5/8	1-9/32	5	13/16	3-7/8	1/2	4	.67
856-020C	2	2-27/32	1-11/32	6	7/8	4-3/4	5/8	4	1.00
856-025C	2-1/2	3-3/32	1-9/32	7	1-1/32	5-1/2	5/8	4	1.61
856-030C	3	3-11/32	1-3/8	7-1/2	1-1/8	6	5/8	4	1.94
856-040C	4	3-13/16	1-3/8	9-3/32	1-3/16	7-1/2	5/8	8	3.12
856-060C	6	4-11/16	1-11/16		1-3/8	9-1/2	3/4	8	4.74
856-080C	8	5-15/16	1-7/8	13-9/16	1-15/32	11-3/4	3/4	8	8.16
856-100C	10	8	2-11/32	16	1-25/32	14-1/4	7/8	12	16.45
856-120C	12	8-9/16	2-1/8	19	1-13/16	17	7/8	12	23.64
856-140CFP*	14	15-9/16	7-9/16	21	2-1/16	18-3/4	1	12	56.49
856-160CFP*	16	17-9/16	8-9/16	23-1/2	2-1/2	21-1/4	1	16	66.12
856-180CFP*	18	19-9/16	9-1/2	25	2-1/2	22-3/4	1-1/8	16	82.48
856-200CFP*	20	13-5/8	2-1/16	27-1/2	2-1/16	25	1-1/8	20	51.07
856-240CFP*	24	15-11/16	2-3/16	32	2-3/16	29-1/2	1-1/4	20	75.33

Flange One Piece Multi-Bolt Pattern*

ASTM Socket x Multi-Bolt Pattern Ring



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
M851-100C	10	5-15/32	11-13/16	15/32	16	1-3/4	13-25/32	7/8	12	13.52
M851-120C	12	6-5/8	14	5/8	19	1-13/16	15-3/4	7/8	12	18.81





Schedule 80 CPVC Technical CPVC Pipe Flange Dimensions & Information

Fabricated Flange Technical Information

Application

Fabricated IPS and PIP Flange fittings are coupling devices designed for joining IPS (Iron Pipe Size) or PIP (Plastic Irrigation Pipe) plastic piping systems, where frequent disassembly may be required. These flanges can be used as transitional fittings for joining IPS-to-IPS, PIP-to-PIP, IPS-to-PIP, or plastic to metal piping systems. Suitability of application is at the discretion of the user.

Pressure Rating

All standard fabricated flanges are Van Stone Style (except blind flange) - two piece design with rotating flange ring.

Class 150 IPS Flanges (with steel ring): 150 psi, water at 73°F.

IPS Flanges 18" - 24" (with plastic ring): 50 psi, water at 73°F.

IPS Flanges, Class 300 Bolt Pattern (with plastic ring): 1/2" - 16" 150 psi, 18" - 24" 50 psi, water at 73°F.

Blind Flanges, 14" - 24": 50 psi, water at 73°F.

PIP Flanges, 6" - 16" (with plastic ring & molded IPS flanges w/PIP Adapters): 125 psi, water at 73°F.

PIP Flanges, 18" - 24" (with steel ring): 125 psi, water at 73°F.

Flange Types

Van Stone Style Class 150 IPS (with steel ring) - Fabricated CPVC body with steel flange ring, available in sizes 18" through 24", slip socket and 14" through 24", spigot.

Van Stone Style IPS (with plastic ring) - Fabricated CPVC body with PVC flange ring, available in sizes 18" through 24", slip socket and 14" through 24", spigot.

Van Stone Style PIP (with plastic ring) - PIP adapter fabricated to injection molded CPVC Van Stone Style IPS flange, available in sizes 6" through 16", slip socket.

Van Stone Style PIP (with steel ring) - Fabricated CPVC body with steel flange ring, available in sizes 14" through 24", slip socket.

Blind - Closed ring design for capping off a mating flange; fabricated CPVC available in sizes 5" and 14" through 24".

Special Note On PIP Flange Sizes

In order to facilitate connections between IPS and PIP systems, all Plastic Irrigation Pipe flanges are fabricated with PIP sockets using standard IPS Flange Rings. These are indicated in dimension tables under "Size" as (nominal IPS flange size) x (actual PIP O.D.), such as: 6" x 6.140".

To better meet user needs, Spears® offers flanges for 15.300" O.D. PIP with either 14" or 16" IPS Flange Rings. In addition, both 18.360" and 18.701" O.D. PIP are offered with 18" IPS Flange Rings.

Materials

All fabricated flanges are produced from CPVC materials approved for potable water use by the National Sanitation Foundation (NSF®). Steel flange rings are carbon steel.

Conformance Standards

Materials - ASTM D 1784 (CPVC Cell Classification 23447-B).

Weights & Dimensions

Specified minimum bolt lengths are based on the use of two Spears® Flanges, two standard flat washers, standard nut and 1/8" thick elastomer full face gasket. Mating with other brands or accessories may require variations.

Note: Bolts and gaskets are not supplied with flanges.

Dimension references:

L = Overall length of hub, $\pm 1/2$ inch.

M = Outside diameter of socket hub, $\pm 1/4$ inch.

N = (Laying Length) socket bottom to seal-ring face of flange, $\pm 1/2$ inch.

R = Height (thickness) of flange ring, $\pm 1/16$ inch.

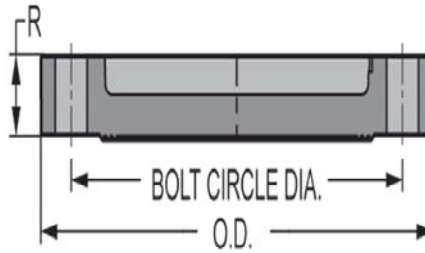
Max O.D. = Outside diameter of ring, $\pm 1/16$ inch.

Bolt Circle Diameter = ANSI B 16.5 Standard; ASTM D 4024, $\pm 1/16$ inch.

Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information



Blind Flange

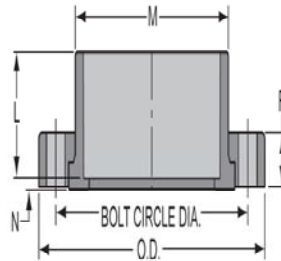


Part Number	Size	O.D.	R	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	No of Bolts	Approx. Wt. (Lbs.)
853-140CF*	14	21	1- 1/2	18- 3/4	1	4-1/8	12	29.30
853-160CF*	16	23- 1/2	1- 1/2	21- 1/4	1	4-1/8	16	36.12
853-180CF*	18	25	1- 1/2	22- 3/4	1- 1/8	4-1/8	16	65.97
853-200CF*	20	27- 1/2	1- 1/2	25	1- 1/8	4-1/8	20	98.96
853-240CF*	24	32	1- 1/2	29- 1/2	1- 1/4	5-1/2	20	131.94

* Fabricated

**Flange Van Stone Style
 Class 300 Bolt Pattern
 Fabricated with Plastic Ring**

Socket



Part Number	Size	L	M	N	R	Bolt Circle Dia.	Bolt Size	Max. O.D.	No of Bolts	Approx. Wt. (Lbs.)
854-005CL300C*	1/2	1	1- 3/16	3/16	1/2	2- 5/8	1/2	3- 3/4	4	.42
854-007CL300C*	3/4	1- 1/8	1- 3/8	3/16	1	3- 1/4	5/8		4	1.32
854-010CL300C*	1	1- 1/4	1- 3/4	3/16	1	3- 1/2	5/8	4- 7/8	4	.62
854-012CL300C*	1-1/4	1- 3/8	2- 1/8	1/8	1	3- 7/8	5/8		4	2.03
854-015CL300C*	1-1/2	1- 1/2	2- 7/16	3/16	1	4- 1/2	5/8	6- 1/8	4	2.67
854-020CL300C*	2	1-11/16	2-15/16	3/16	1	5	5/8		8	2.64
854-025CL300C*	2-1/2	2	3- 9/16	1/4	1	5- 7/8	3/4	7- 1/2	8	3.83
854-030CL300C*	3	2- 1/8	4- 1/4	1/4	1	6- 5/8	3/4		8	5.47
854-040CL300C*	4	2- 1/2	5- 1/4	1/4	1- 1/2	7- 7/8	3/4	10	8	11.94
854-060CL300C*	6	3- 5/16	7- 9/16	5/16	1- 1/2	10- 5/8	3/4		12	24.16
854-080CL300C*	8	4- 3/8	9- 3/8	5/16	1- 1/2	13	7/8		12	25.01
854-100CL300C*	10	5-11/16	11- 3/4	5/8	1- 1/2	15- 1/4	1		16	45.98
854-120CL300C*	12	6-5/8	13-11/16	5/8	1- 1/2	17- 3/4	1- 1/8		16	59.28
854-140CL300C*	14	7- 9/16	15- 9/16	9/16	2	20- 1/4	1- 1/8		20	32.75
854-160CL300C*	16	8- 9/16	17- 3/4	9/16	2	22- 1/2	1- 1/4	25- 1/2	20	44.74

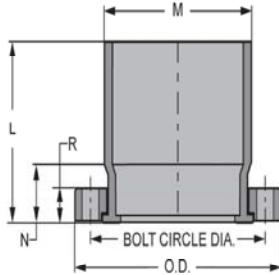
* Fabricated



Schedule 80 CPVC Technical
CPVC Pipe Flange Dimensions & Information

**Flange Van Stone Style IPS
 With Plastic Ring**

Socket

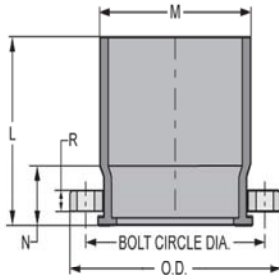


Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	No of Bolts	Approx. Wt. (Lbs.)
854-180CFP*	18	14-7/16	19-1/8	5-7/16	25	2-1/16	22-3/4	1-1/8	6	16	100.41
854-200CFP*	20	15-5/8	21-3/16	5-5/8	27-1/2	2-1/16	25	1-1/8	5-1/2	20	60.19
854-240CFP*	24	18-5/16	25-3/8	6-5/16	32	2-3/16	29-1/2	1-1/4	5-1/2	20	91.49

* Fabricated

**Flange Van Stone Style with
 Steel Ring**

Socket



Part Number	Size	L	M	N	O.D.	R	Bolt Circle Dia.	Bolt Size	No of Bolts	Approx. Wt. (Lbs.)
854-120CFS*	12	10-7/16	13-9/16	4-3/16	19	1-3/8	17	7/8	12	48.56
854-140CFS*	14	11-5/16	14-7/8	4-5/16	21	1-7/16	18-3/4	1	12	38.10
854-160CFS*	16	12-5/8	17	4-5/8	23-1/2	1-1/2	21-1/4	1	16	50.98
854-180CFS*	18	14-7/16	19-1/8	5-7/16	25	1-9/16	22-3/4	1-1/8	16	86.45
854-200CFS*	20	15-5/8	21-3/16	5-5/8	27-1/2	1-9/16	25	1-1/8	20	105.72
854-240CFS*	24	18-5/16	25-3/8	6-5/16	32	1-11/16	29-1/2	1-1/4	20	106.38

* Fabricated