



Schedule 80 PVC Fittings, Unions & Tank Adapters



ENGINEERING GUIDE

Contact Spears® for any Information not found.

Distributor:



www.miracleeng.com.hk

PVC Performance Engineered and Tested



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

1/4" Through 14" Availability

Spears® comprehensive line of PVC injection molded fittings and extruded pipe offers a variety of configurations in sizes 1/4" through 14". Schedule 80 fittings are manufactured to ASTM D 2467 and pipe is produced to ASTM D 1785. Spears® exclusive CL150 Flanges are produced in sizes 1/2" - 18" with ANSI B16.5 bolt patterns, plus numerous Unions, Saddles, Transition and Specialty fittings in a variety of sizes.

Exceptional Chemical & Corrosion Resistance

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

High Temperature Ratings

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

Lower Installation Costs

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

Higher Flow Capacity

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

Additional Fabricated Configurations through 24"

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

Advanced Design Specialty Fittings

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

PVC Valves

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

PVC Sample Engineering Specifications

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



Schedule 80 PVC Technical Schedule 80 Product 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 Spears® 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 PVC products are manufactured to ASTM D 2467 for use with pipe manufactured to ASTM D 1785. Certain products carry reduced pressure handling capability and have maximum internal pressure ratings at 73°F noted.

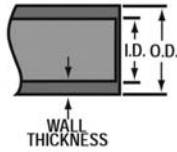
Fabricated Schedule 80 PVC pressure fittings (part numbers ending with "F") are manufactured to Spears® specifications for use with pipe manufactured to ASTM D 1785. General Specifications for Standard Fabricated Fittings for additional information.

All specified Schedule 80 PVC 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 NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act. 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.

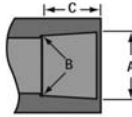
ASTM STANDARD DIMENSIONS

**SCHEDULE 80 PIPE DIMENSIONS
ASTM D 1785**



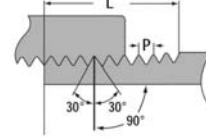
Nominal Pipe Size In.	Mean Outside Diameter In.	O. D. Tolerance In.	Minimum Wall Thickness In.
1/8	0.405	± 0.004	0.095
1/4	0.540	± 0.004	0.119
3/8	0.675	± 0.004	0.126
1/2	0.840	± 0.004	0.147
3/4	1.050	± 0.004	0.154
1	1.315	± 0.005	0.179
1-1/4	1.660	± 0.005	0.191
1-1/2	1.900	± 0.006	0.200
2	2.375	± 0.006	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	10.73	± 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 PVC Technical Schedule 80 Fittings

Injection Molded Dimension References:

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

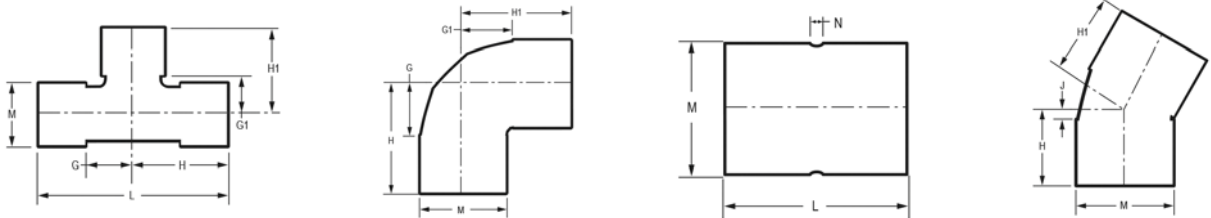
- L** = Overall length of fittings; $\pm 1/16$ inch.
M = Outside diameter of socket/thread hub; $\pm 1/16$ inch.
N = Socket bottom to socket bottom; couplings; $\pm 1/16$ inch.
W = Height of cap; $\pm 1/16$ inch.

Fabricated Dimension References:

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

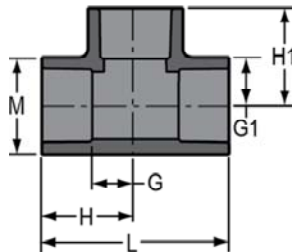
- L** = Overall length of fittings; $\pm 1/2$ inch.; wyes ± 1 inch; 14" & larger ± 1 inch.
M = Outside diameter of socket/thread hub; $\pm 1/4$ inch.
N = Socket bottom to socket bottom; couplings; $\pm 1/2$ inch.
W = Height of cap; $\pm 1/4$ inch.

Typical Fabricated Dimension References



Tee

Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-002	1/4	11/32	11/32	31/32	31/32	1-31/32	27/32	.03
801-003	3/8	15/32	15/32	1- 1/4	1- 1/4	2- 1/2	31/32	.06
801-005	1/2	19/32	19/32	1-15/32	1-15/32	2-15/16	1- 3/16	.10
801-007	3/4	11/16	11/16	1-11/16	1-11/16	3- 3/8	1-13/32	.14
801-010	1	7/8	7/8	2	2	4	1-23/32	.27
801-012	1-1/4	1- 1/32	1- 1/32	2- 9/32	2- 9/32	4-9/16	2- 3/32	.39
801-015	1-1/2	1- 3/16	1- 3/16	2- 9/16	2- 9/16	5- 1/8	2- 3/8	.51
801-020	2	1-7/16	1-7/16	2-15/16	2-15/16	5-7/8	2- 7/8	.79
801-025	2-1/2	1- 3/4	1- 3/4	3- 1/2	3- 1/2	7-1/32	3-1/2	1.46
801-030	3	2- 1/16	2- 1/16	3-31/32	3-31/32	7-15/16	4- 5/32	2.14
801-040	4	2-15/32	2-15/32	4- 3/4	4- 3/4	9-15/32	5- 1/4	3.51
801-050	5	3- 5/32	3- 5/32	5-13/16	5-13/16	11-5/8	6-13/32	5.80
801-050F*	5	5- 1/2	5- 1/2	8- 1/2	8- 1/2	17	6- 5/16	13.25
801-060	6	3-25/32	3-25/32	6-25/32	6-25/32	13-19/32	7-9/16	9.51
801-080	8	4-7/8	4-7/8	8- 7/8	8- 7/8	17-23/32	9-23/32	21.23
801-080F*	8	7- 5/8	7- 5/8	11- 7/8	11- 7/8	23- 3/4	9-5/8	24.14

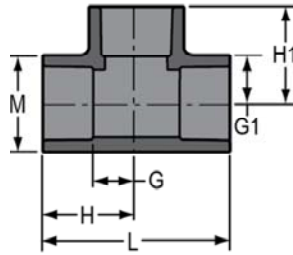
Schedule 80 PVC Technical
Schedule 80 Fittings



Tee

Socket x Socket x Socket

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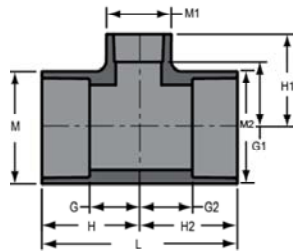


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-100	10	5-29/32	5-29/32	10-29/32	10-29/32	21-13/16	12-3/16	37.89
801-100F*	10	9	9	14- 1/4	14- 1/4	28- 1/2	11-15/16	41.15
801-120	12	6-31/32	6-31/32	12-31/32	12-31/32	25-11/16	14- 1/4	54.44
801-120F*	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	14- 1/8	70.98
801-140	14	7-1/16	7-1/16	14-1/16	14-1/16	28-1/8	15-5/8	63.60
801-140F*	14	12- 1/4	12- 1/4	19- 1/4	19- 1/4	38- 1/2	15- 1/2	90.74
801-160F*	16	13	13	21	21	42	17-11/16	120.59
801-180F*	18	13- 3/4	13- 3/4	22- 3/4	22- 3/4	45- 1/2	19- 7/8	170.14
801-200F*	20	16- 3/8	16- 3/8	26- 3/8	26- 3/8	52- 3/4	22- 1/16	253.11
801-240F*	24	20- 1/4	20- 1/4	32- 1/4	32- 1/4	64- 1/2	26- 7/16	441.60

* Fabricated

Tee - Reducing

Socket x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-101	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
801-130	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	.19
801-131	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	.22
801-157	1-1/4X1X3/4	11/16	1- 1/32	11/16	1-15/16	2- 1/32	1-13/16	3-25/32	2-3/32	1-13/32	1-23/32	.30
801-158	1-1/4X1X1	7/8	27/32	25/32	2-1/8	1-31/32	1-29/32	4	2- 1/8	1- 3/4	1-3/4	.32
801-159	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	.39
801-166 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	.27
801-167	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	.27
801-168	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	.34
801-202	1-1/2X1-1/4X1	27/32	1- 1/32	1	2-1/4	2-5/32	2-1/4	4-1/2	2- 11/32	1-23/32	2-11/16	.40
801-209	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	.33
801-210	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	.36
801-211	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	.41
801-212	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	.51
801-247	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	.43
801-248	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
801-249	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
801-250	2X1-1/4	1-1/32	1-11/32	1-1/32	2-9/16	2-19/32	2-9/16	5-3/32	2-7/8	2-3/32	2-7/8	.61
801-251	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	.77

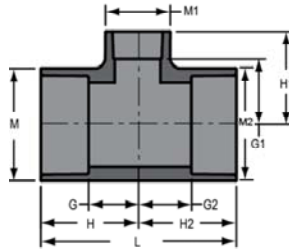


Schedule 80 PVC Technical Schedule 80 Fittings

Tee - Reducing

Socket x Socket x Socket

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Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-254 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	5.75
801-287	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	.74
801-288	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	.80
801-289	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	.98
801-290	2-1/2X1-1/4	1- 1/32	1-23/32	1- 1/32	2-27/32	3	2-27/32	5- 11/16	3-1/2	2-3/32	3-1/2	1.11
801-291	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	1.24
801-292	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	1.31
801-333 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	1.29
801-334	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	1.11
801-335	3X1	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	1.24
801-336 ¹	3X1-1/4	1-3/8	2-1/4	1-3/8	3- 5/16	3-27/32	3- 5/16	6- 5/8	4- 3/16	2- 7/8	4-3/16	1.84
801-337	3X1-1/2	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	1.44
801-338	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	1.64
801-339	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	1.91
801-415 ¹	4X1/2	7/8	3-1/32	7/8	3-1/8	3-15/16	3-1/8	6-1/4	5-1/4	1-3/4	5- 1/4	1.97
801-416 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	1.95
801-417	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	1.91
801-418 ¹	4X1-1/4	1- 1/8	2-7/8	1- 1/8	3-3/8	4-1/8	3-3/8	6-3/4	5- 1/4	2- 3/8	5- 1/4	2.09
801-419	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	2.03
801-420	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	2.32
801-421 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	3.38
801-422	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	3.01
801-482F ⁺	5X1-1/4	4	4-11/16	4	7	6- 3/16	7	14	6- 5/16	2- 1/16	6-5/16	5.28
801-484 ¹	5X1-1/2	3- 5/32	5-1/8	3- 5/32	5-13/16	6-1/2	5-13/16	11- 9/16	6-13/32	6-13/32	6- 13/32	8.13
801-484F ⁺	5X1-1/2	4- 1/8	5	4- 1/8	7- 1/8	6- 1/2	7- 1/8	14- 1/4	6- 5/16	2- 5/16	6- 5/16	5.82
801-486 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	8.23
801-486F ⁺	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	5.84
801-487 ¹	5X2-1/2	3- 5/32	4-23/32	3- 5/32	5-13/16	6-15/32	5-13/16	11-19/32	6-13/32	6-13/32	6- 13/32	8.12
801-487F ⁺	5X2-1/2	4	4- 15/16	4	7	6- 15/16	7	14	6- 5/16	3- 7/16	6- 5/16	5.57
801-488 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	6-13/16	7.92
801-488F ⁺	5X3	4- 7/8	5- 1/16	4- 7/8	7- 7/8	6- 7/8	7- 7/8	15- 3/4	6- 5/16	4- 1/8	6- 5/16	6.77
801-490 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	7.11
801-523 ¹	6X1/2	27/32	4-1/8	27/32	3-7/8	5	3-7/8	7-3/4	7-9/16	1-3/4	7-9/16	4.40
801-524 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	4.38
801-525	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	4.35
801-525F ¹⁺	6X1	4-1/4	5-1/8	4-1/4	7-1/2	6-3/8	7-1/2	15	7-1/2	1-11/16	7-1/2	6.85
801-526 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	5.40
801-527 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	5.35
801-527F ⁺	6X1-1/2	4-3/8	5-7/16	4-3/8	7-5/8	6-15/16	7-5/8	15-1/4	7-1/2	2-5/16	7-1/2	7.02
801-528	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	5.20
801-529 ¹	6X2-1/2	2-1/16	4-3/16	2-1/16	5-5/32	5-15/16	5-5/32	10-3/16	7- 9/16	4-3/16	7-9/16	6.63

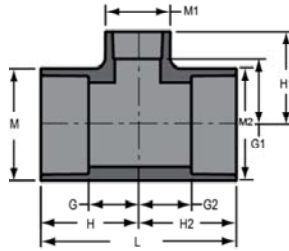
Schedule 80 PVC Technical
Schedule 80 Fittings



Tee - Reducing

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-530	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	4-3/16	7-9/16	6.26
801-530F*	6X3	4-3/4	5-3/4	4-3/4	8	8	8	16	7-1/2	4-1/8	7- 1/2	8.92
801-532	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	7.95
801-533F*	6X5	5- 3/4	6- 1/2	5- 3/4	9	9- 1/2	9	18	7- 1/2	6- 5/16	7- 1/2	10.61
801-573 ¹	8X1/2	2-5/8	6-7/8	2-5/8	6-5/8	7-3/4	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	13.09
801-575 ¹	8X1	2-5/8	6-5/8	2-5/8	6-5/8	7-5/8	6-5/8	13-1/4	9-23/32	5-1/4	9-23/32	13.07
801-578 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	13.04
801-578F*	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	12.88
801-579F*	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	13.98
801-580 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	12.74
801-580F*	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	14.42
801-582	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	11.92
801-582F*	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	16.57
801-585	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	15.75
801-620F*	10X1-1/2	4-3/8	7-3/8	4-3/8	9-5/8	8-7/8	9-5/8	19-1/4	11-15/16	2-5/16	11-15/16	22.86
801-621F*	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	22.37
801-622F*	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	23.34
801-623 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	26.94
801-623F*	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	22.99
801-624 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	26.87
801-624F*	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	25.31
801-626	10X6	3- 25/32	5-13/16	3- 25/32	9- 3/8	8-7/8	9- 3/8	18-3/4	12- 1/16	7- 9/16	12- 1/16	24.00
801-626F*	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	28.42
801-628 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	48.59
801-628F*	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	35.90
801-661F*	12X2	4- 3/4	8	4- 3/4	11	9- 3/4	11	22	14- 1/8	2-13/16	14- 1/8	35.17
801-662F*	12X2-1/2	5- 7/16	8- 3/16	5- 7/16	11-11/16	10- 3/16	11-11/16	23- 3/8	14- 1/8	3- 7/16	14- 1/8	35.57
801-663F*	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	37.02
801-664 ¹	12X4	4-7/8	9-3/4	4-7/8	11-15/32	11-5/8	11-15/32	22-29/32	14- 1/4	9-3/4	14- 1/4	46.92
801-664F*	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	39.32
801-665F*	12X5	7- 1/8	9- 5/16	7- 1/8	13- 3/8	12- 5/16	13- 3/8	26- 3/4	14- 1/8	6- 5/16	14- 1/8	43.27
801-666 ¹	12X6	4-7/8	8-1/2	4-7/8	11-15/32	11-1/2	11-15/32	22-29/32	14-9/32	9-23/32	14- 9/32	46.42
801-666F*	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	45.74
801-668	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	41.29
801-668F*	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	52.00
801-670 ¹	12X10	6- 15/16	8-13/32	6- 15/16	12-15/16	13-13/32	12-15/16	25-7/8	14-3/16	14-3/16	14-3/16	67.00
801-670F*	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	62.01
801-691F*	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	44.81
801-692F*	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	44.33
801-693F*	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	45.79

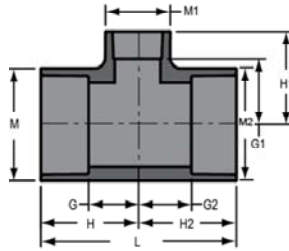


Schedule 80 PVC Technical Schedule 80 Fittings

Tee - Reducing

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
801-694F [*]	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	49.50
801-696F [*]	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	56.33
801-698F [*]	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	63.19
801-700F [*]	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	70.63
801-702	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	61.20
801-702F [*]	14X12	11	11- 3/8	11	18	17- 5/8	18	36	15- 1/2	14- 1/8	15- 1/2	80.08
801-751F [*]	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	63.28
801-752F [*]	16X2-1/2	6	9-11/16	6	14	11-11/16	14	28	17-11/16	3- 7/16	17- 11/16	64.25
801-753F [*]	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	64.31
801-754F [*]	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	64.55
801-756F [*]	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	77.70
801-758F [*]	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	85.11
801-760F [*]	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	93.59
801-762F [*]	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	103.31
801-764F [*]	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	116.38
801-784F [*]	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	96.69
801-786F [*]	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	107.16
801-788F [*]	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	110.40
801-790F [*]	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	119.95
801-792F [*]	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	130.75
801-794F [*]	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	151.68
801-796F [*]	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	163.17
801-814F [*]	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	123.16
801-816F [*]	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	133.48
801-818F [*]	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	148.71
801-820F [*]	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	157.48
801-822F [*]	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	171.00
801-824F [*]	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	182.95
801-826F [*]	20X16	14	15- 1/8	14	24	23- 1/8	24	48	22- 1/16	17-11/16	22- 1/16	206.24
801-828F [*]	20X18	15	15	15	25	24	25	50	22- 1/16	19- 7/8	22-1/16	218.37
801-904F [*]	24X4	9	14-11/16	9	21	16-15/16	21	42	26- 7/16	5- 3/16	26- 7/16	220.00
801-906F [*]	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	222.11
801-908F [*]	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	235.18
801-910F [*]	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	236.36
801-912F [*]	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	269.72
801-914F [*]	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	285.14
801-916F [*]	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	308.40
801-918F [*]	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	331.03
801-920F [*]	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	361.00

^{*} Sized with Bushing

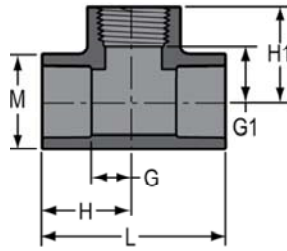
^{*} Fabricated

Schedule 80 PVC Technical
Schedule 80 Fittings



Tee

Socket x Socket x Fipt

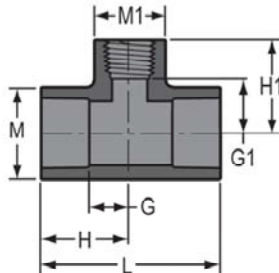


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
802-002	1/4	5/16	3/8	15/16	15/16	1-29/32	7/8	.05
802-005	1/2	9/16	21/32	1-15/32	1-11/32	2-15/16	1-7/32	.12
802-007	3/4	19/32	21/32	1-19/32	1-3/8	3- 3/16	1-3/8	.14
802-010	1	21/32	11/16	1-13/16	1- 5/8	3-5/8	1-23/32	.23
802-012	1-1/4	13/16	1	2- 3/32	1-31/32	4-3/16	2- 3/32	.34
802-015	1-1/2	1-5/16	1-7/32	2-11/32	2- 5/32	4-11/16	2-11/32	.48
802-020	2	1-5/16	1-7/16	2-13/16	2-7/16	5-21/32	2-27/32	.76
802-025	2-1/2	1-17/32	2-25/32	4-5/16	4-3/8	8-5/8	4-3/16	3.34
802-030	3	1-31/32	2- 1/8	3- 3/4	3-17/32	7-15/32	4-1/4	2.28
802-040	4	2-1/2	2-21/32	4- 5/8	4- 5/32	9- 7/32	5- 9/32	3.27
802-060F*	6	3-3/4	8-5/8	6-3/4	10-1/8	13-1/2	7-5/8	13.42
802-080F*	8	4-13/16	10-13/16	8-13/16	12-9/16	17-11/16	9-11/16	26.24

* Fabricated

Tee - Reducing

Socket x Socket x Fipt



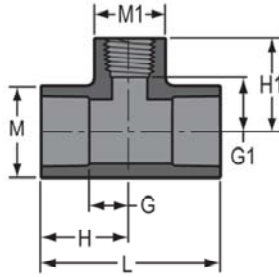
Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-101	3/4X1/2	19/32	23/32	1-19/32	1- 7/16	3- 7/32	1-13/32	1- 3/16	.13
802-130	1X1/2	7/16	29/32	1- 9/16	1- 5/8	3- 1/8	1-23/32	1-3/16	.17
802-131	1X3/4	21/32	13/16	1-13/16	1-17/32	3- 5/8	1-23/32	1- 3/8	.21
802-166	1-1/4X1/2	7/16	1- 1/8	1-11/16	1-27/32	3- 3/8	2- 3/32	1- 3/16	.24
802-167 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	.38
802-168	1-1/4X1	27/32	1	2-1/8	1-29/32	4- 7/32	2- 3/32	1-11/16	.33
802-209	1-1/2X1/2	1/2	1-1/4	1-7/8	1-31/32	3-3/4	2-11/32	1-3/16	.32
802-210 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	.46
802-211	1-1/2X1	27/32	1-7/32	2- 1/4	2- 3/32	4-15/32	2-11/32	1-11/16	.41
802-212	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	.46
802-247	2X1/2	1/2	1-17/32	2	2- 7/32	4	2-27/32	1- 3/16	.44
802-248	2X3/4	5/8	1- 3/8	2- 1/8	2-1/8	4- 1/4	2- 7/8	1- 3/8	.46
802-249	2X1	27/32	1-13/32	2-11/32	2-5/16	4-11/16	2- 7/8	1-11/16	.54
802-250 ¹	2X1-1/4	1- 3/16	2- 1/16	2-11/16	3	5- 3/8	2- 7/8	2-13/32	.86
802-251 ¹	2X1-1/2	1- 7/16	2-3/16	2-15/16	3-1/8	5- 7/8	2- 7/8	2- 7/8	.94
802-287	2-1/2X1/2	17/32	1-3/4	2- 5/16	2-1/2	4-5/8	3- 1/2	1- 3/16	.74
802-288 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	1.02



Tee - Reducing

Socket x Socket x Fipt

(Continued)



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-289 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	1.18
802-290 ¹	2-1/2X1-1/4	1- 3/16	2-3/8	2-31/32	3-5/16	5-15/16	3-9/16	2- 3/8	1.34
802-291 ¹	2-1/2X1-1/2	1- 7/16	2-11/32	3- 3/16	3-5/16	6- 3/8	3- 1/2	2- 7/8	1.45
802-292 ¹	2-1/2X2	1- 3/4	2-27/32	3- 1/2	3-27/32	7	3-15/32	3-15/32	1.71
802-333 ¹	3X1/2	7/8	2-19/32	2- 3/4	3-11/32	5- 1/2	4-3/16	1-3/4	1.30
802-334 ¹	3X3/4	7/8	2-21/32	2- 3/4	3-13/32	5- 1/2	4- 3/16	1- 3/4	1.28
802-335 ¹	3X1	1- 3/16	2-29/32	3- 1/16	3-13/16	6- 1/8	4-3/16	2-3/8	1.58
802-336 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	1.53
802-337 ¹	3X1-1/2	1- 7/16	2-9/16	3- 5/16	3-1/2	6- 5/8	4-3/16	2-7/8	1.79
802-338 ¹	3X2	2- 3/32	3-11/32	3-31/32	4-5/16	7-15/16	4-3/16	4-3/16	2.69
802-339 ¹	3X2-1/2	2- 3/32	3	3-31/32	4-1/2	7-15/16	4-3/16	4-3/16	2.60
802-415 ¹	4X1/2	7/8	3-1/4	3-1/8	3-31/32	6-1/4	5- 1/4	1-3/4	1.97
802-416 ¹	4X3/4	7/8	3-5/16	3-1/8	4-1/32	6-1/4	5- 1/4	1-3/4	1.96
802-417 ¹	4X1	1-1/8	3-3/8	3-3/8	4-9/32	6-3/4	5- 1/4	2-11/32	2.17
802-418 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	2.12
802-419 ¹	4X1-1/2	1-7/16	3-3/16	3-11/16	4-1/8	7- 3/8	5- 1/4	2- 7/8	2.46
802-420 ¹	4X2	2- 1/8	4-1/16	4- 3/8	5- 1/32	8-25/32	5- 1/4	4- 3/16	3.56
802-421 ¹	4X2-1/2	2- 1/8	3-1/2	4- 3/8	5	8-25/32	5- 1/4	4- 3/16	3.47
802-422 ¹	4X3	2-1/2	3-9/16	4-3/4	5-3/16	9-1/2	5- 1/4	5- 1/4	4.37
802-525 ¹	6X1	1-13/32	4-3/4	4-7/16	5-11/16	8-7/8	7-9/16	2-7/8	5.49
802-526 ¹	6X1-1/4	1-7/16	4-17/32	4-7/16	5-15/32	8-7/8	7-9/16	2-7/8	5.39
802-527 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	5.35
802-528 ¹	6X2	2-1/16	4-31/32	5-3/32	5-3/32	10-3/16	7-9/16	4-3/16	6.82
802-528F ^{2*}	6X2	4- 5/8	5- 1/8	7- 7/8	6- 9/16	15- 3/4	7- 1/2	3	8.16
802-529 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	6.72
802-530 ¹	6X3	2-11/16	4-15/16	5-23/32	6-15/32	11-7/16	7-19/32	5- 1/4	8.81
802-532 ¹	6X4	3-25/32	5-13/16	6-13/16	7-5/16	13-5/8	7-9/16	7-9/16	12.59
802-532F ^{2*}	6X4	5- 1/4	6-13/16	8- 1/2	8- 1/4	17	7- 1/2	5-13/16	10.57
802-578 ¹	8X2	2-5/8	6-1/2	6-5/8	7-1/2	13-1/4	9-23/32	5-1/4	13.03
802-578F ^{2*}	8X2	4-11/16	6- 1/16	8-15/16	7- 1/2	17- 7/8	9- 5/8	3	13.50
802-580 ¹	8X3	2-5/8	5-7/8	6-5/8	7-1/2	13-1/4	9-23/32	5-1/4	12.79
802-580F ^{2*}	8X3	5-7/16	7	9-11/16	8- 7/16	19-3/8	9- 5/8	4- 1/8	14.91
802-582 ¹	8X4	3-7/8	7	7-29/32	8-1/2	15-13/16	9-23/32	7-9/16	18.83
802-582F ^{2*}	8X4	5- 3/4	7-11/16	10	9- 1/8	20	9- 5/8	5-13/16	17.07
802-621 ¹	10X2	3-25/32	8-3/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	27.06
802-621F ^{2*}	10X2	4- 3/8	7- 9/16	9- 5/8	8-15/16	19- 1/4	11-15/16	3	22.86
802-623 ¹	10X3	3-25/32	7-31/32	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	27.07
802-623F ^{2*}	10X3	4- 7/8	8- 3/16	10- 1/8	9- 5/8	20- 1/4	11-15/16	4- 1/8	23.34
802-624 ¹	10X4	3-25/32	7-7/8	9-3/8	9-3/8	18-3/4	12-1/16	7-9/16	27.08

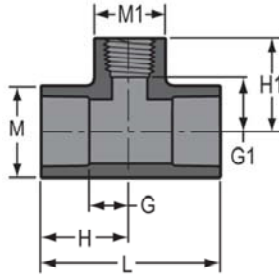
Schedule 80 PVC Technical
Schedule 80 Fittings



Tee - Reducing

Socket x Socket x Fipt

(Continued)



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-624F ^{2*}	10X4	5- 3/8	8-13/16	10- 5/8	10- 5/16	21- 1/4	11-15/16	5-13/16	26.16
802-661 ¹	12X2	4-7/8	11-1/16	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	49.48
802-661F [*]	12X2	4- 3/4	8- 7/16	11	9-13/16	22	14- 1/8	3	34.15
802-663F [*]	12X3	5- 1/4	9- 1/4	11- 1/2	10-11/16	23	14- 1/8	4- 1/8	37.61
802-663 ¹	12X3	4-7/8	10-5/8	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	49.48
802-664 ¹	12X4	4-7/8	10-9/16	11-15/32	12-1/16	22-15/16	14-1/4	9-3/4	49.50
802-664F [*]	12X4	5- 3/4	9-15/16	12	11- 7/16	24	14- 1/8	5-13/16	39.82

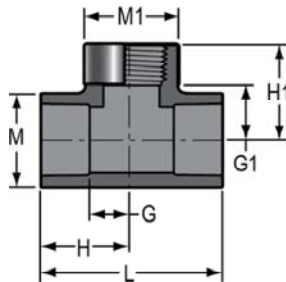
¹ Sized with Bushing

² Fiberglass reinforced.

* Fabricated

Tee - Special Reinforced

Socket x Socket x SR Fipt - Stainless Steel Collar

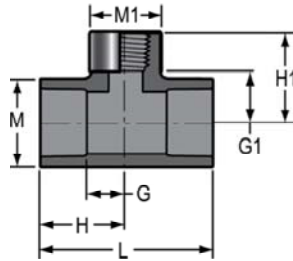


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005SR	1/2	9/16	21/32	1-15/32	1- 3/8	2-15/16	1- 7/32	1-3/16	.12
802-007SR	3/4	19/32	21/32	1-19/32	1-3/8	3- 3/16	1-3/8	1-3/8	.15
802-010SR	1	21/32	11/16	1-13/16	1- 5/8	3- 5/8	1-23/32	1-23/32	.25
802-012SR	1-1/4	13/16	1- 1/16	2- 3/32	1-31/32	4- 3/16	2- 3/32	2- 1/16	.36
802-015SR	1-1/2	1-5/16	1- 7/32	2-11/32	2- 5/32	4-11/16	2-11/32	2- 7/16	.51
802-020SR	2	1- 5/16	1-7/16	2-13/16	2-7/16	5-21/32	2-27/32	3- 1/32	.80
802-030SR	3	1-27/32	2-5/32	3-23/32	3-9/16	7-15/32	4- 9/32	4-1/4	2.33
802-040SR	4	2-1/2	2-21/32	4- 5/8	4- 5/32	9- 7/32	5- 1/4	5- 1/4	3.39



Tee - Special Reinforced Reducing

Socket x Socket x SR Fipt - Stainless Steel Collar

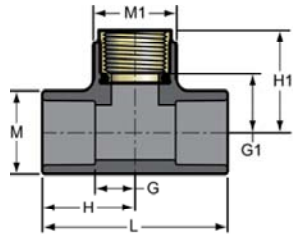


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-072SR	1/2X1/4	7/16	11/16	1- 5/16	1- 7/32	2- 5/8	1- 5/32	27/32	.08
802-098SR	3/4X1/4	7/16	13/16	1- 7/16	1-11/32	2- 7/8	1- 3/8	27/32	.11
802-101SR	3/4X1/2	19/32	23/32	1-19/32	1-15/32	3- 7/32	1-13/32	1- 3/16	.14
802-128SR ¹	1X1/4	7/8	2-11/16	2	3-1/4	4	1-3/4	27/32	.35
802-130SR	1X1/2	7/16	29/32	1- 9/16	1- 5/8	3- 1/8	1-23/32	1- 3/16	.19
802-131SR	1X3/4	21/32	13/16	1-13/16	1-9/16	3-19/32	1-23/32	1- 3/8	.21
802-164SR ¹	1-1/4X1/4	27/32	2-13/16	2- 1/8	3-13/32	4- 7/32	2- 3/32	27/32	.42
802-166SR	1-1/4X1/2	7/16	1- 1/8	1-11/16	1-27/32	3-13/32	2- 3/32	1- 3/16	.25
802-168SR	1-1/4X1	27/32	1	2-1/8	1-29/32	4-1/4	2- 3/32	1-11/16	.34
802-207SR 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	.49
802-211SR	1-1/2X1	27/32	1- 7/32	2- 1/4	2- 1/8	4-15/32	2- 3/8	1-11/16	.41
802-212SR	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	.49
802-247SR	2X1/2	1/2	1-17/32	2	2- 1/4	4	2-27/32	1- 3/16	.45
802-248SR	2X3/4	19/32	1-13/32	2- 1/8	2- 1/8	4- 1/4	2- 7/8	1- 3/8	.48
802-287SR	2-1/2X1/2	17/32	1-3/4	2- 5/16	2- 1/2	4-5/8	3- 1/2	1-3/16	.75
802-331SR ¹	3X1/4	7/8	3-3/4	2-3/4	4-11/32	5-1/2	4-7/32	27/32	1.32
802-333SR ¹	3X1/2	1-5/32	3-1/16	3-1/32	3-13/16	6-3/32	4-3/16	2-3/8	1.61
802-413SR ¹	4X1/4	27/32	4-13/32	3-1/8	5	6-1/4	5- 1/4	27/32	1.99
802-415SR ¹	4X1/2	1-1/8	3-9/16	3-13/32	4-5/16	6-25/32	5-1/4	2-3/8	2.20

¹ Sized with Bushing

Tee - Brass Transition

Socket x Socket x Fipt With Brass Thread Insert

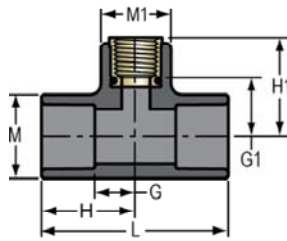


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005BR	1/2	7/16	1	1-5/16	1-17/32	2- 5/8	1- 5/32	1- 7/32	.16
802-007BR	3/4	1/2	1-3/16	1-17/32	1-13/16	3- 1/16	1-3/8	1- 3/8	.22

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

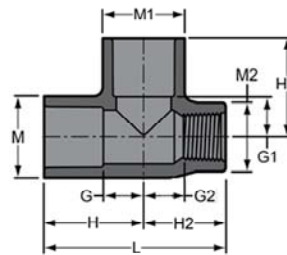


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-072BR	1/2X1/4	7/16	7/8	1- 5/16	1-17/32	2- 5/8	1- 3/16	1- 3/16	.11
802-101BR	3/4X1/2	7/16	1- 1/32	1- 7/16	1-19/32	2-29/32	1-13/32	1- 3/16	.18

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

Tee - Reducing

Socket x Fipt x Socket

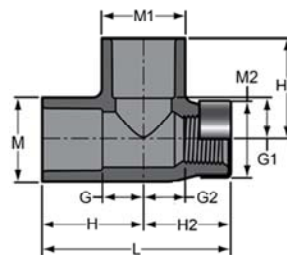


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
803-095	3/4X1/2X3/4	11/16	11/16	11/16	1-11/16	1-11/16	1-13/32	3- 3/32	1-13/32	1-13/32	1-3/16	.14



Tee - Special Reinforced Reducing

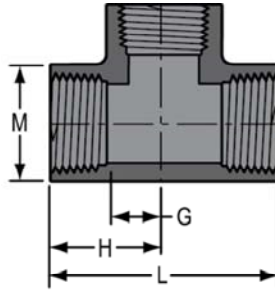
Socket x SR Fipt - Stainless Steel Collar x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
803-095SR	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	.15

**Tee**

Fipt x Fipt x Fipt

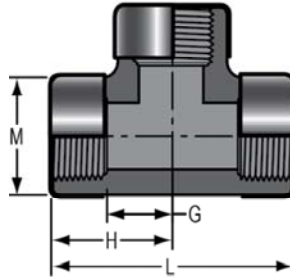


Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-002	1/4	1/2	1- 3/32	2- 3/16	27/32	.05
805-003	3/8	9/16	1- 5/32	2- 5/16	15/16	.07
805-005	1/2	17/32	1- 1/4	2-1/2	1- 3/16	.11
805-007	3/4	21/32	1-15/32	2-15/16	1- 1/2	.19
805-010	1	3/4	1-23/32	3- 7/16	1-27/32	.33
805-012	1-1/4	15/16	1-31/32	3-29/32	2- 1/4	.52
805-015	1-1/2	1-3/8	2- 3/16	4- 3/8	2-7/16	.59
805-020	2	1- 5/8	2- 5/8	5- 1/4	3	1.10
805-025	2-1/2	1-19/32	3- 1/8	6-9/32	3-9/16	1.66
805-030	3	1-15/16	3- 9/16	7- 3/32	4-11/32	2.80
805-040	4	2-15/32	4-3/16	8-3/8	5-13/32	4.09
805-060F*	6	8-11/16	10-3/16	20-3/8	7- 3/16	18.17

* Fabricated

Tee - Special Reinforced

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



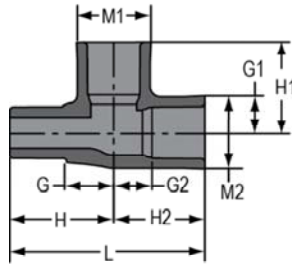
Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-002SR	1/4	17/32	1- 1/8	2- 1/4	27/32	.09
805-003SR	3/8	9/16	1- 3/16	2-11/32	31/32	.08
805-005SR	1/2	17/32	1- 1/4	2- 1/2	1- 3/16	.13
805-007SR	3/4	19/32	1-11/32	2-11/16	1- 3/8	.16
805-010SR	1	7/8	1-25/32	3- 9/16	1-11/16	.31
805-015SR	1-1/2	1-1/4	2-7/32	4-7/16	2-7/16	.66
805-020SR	2	1-21/32	2-21/32	5-5/16	3	1.20

Schedule 80 PVC Technical
Schedule 80 Fittings



Tee - Street

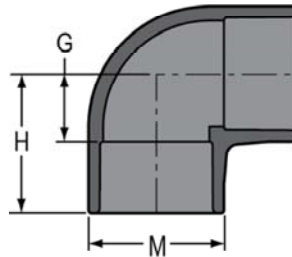
Spigot x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M1	Approx. Wt. (Lbs.)
844-005	1/2	25/32	19/32	19/32	1-11/16	1-15/32	1-15/32	3- 5/32	1- 3/16	.10
844-007	3/4	15/16	11/16	11/16	1-15/16	1-11/16	1-13/16	3- 5/8	1-13/32	.15
844-010	1	1- 3/32	7/8	7/8	2- 7/32	2	2	4- 7/32	1- 3/4	.25
844-012	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	.38
844-015	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	.51
844-020	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	.78

90° EII

Socket x Socket



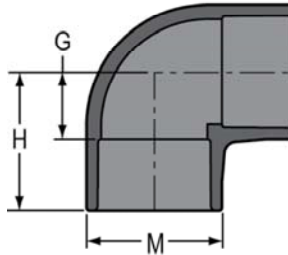
Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-002	1/4	13/32	1-1/32	13/16	.03
806-003	3/8	15/32	1-7/32	31/32	.04
806-005	1/2	9/16	1-15/32	1- 3/16	.07
806-007	3/4	11/16	1-11/16	1-13/32	.12
806-010	1	7/8	2	1- 3/4	.19
806-012	1-1/4	1-1/32	2- 9/32	2-3/32	.33
806-015	1-1/2	1- 5/32	2- 9/16	2-11/32	.38
806-020	2	1-13/32	2-15/16	2- 7/8	.60
806-025	2-1/2	1-5/8	3-3/8	3-15/32	1.07
806-030	3	2- 1/16	4	4- 3/16	1.66
806-040	4	2-19/32	4-27/32	5- 1/4	2.80
806-045F ⁺	4-1/2	6- 1/2	9	5- 5/8	4.97
806-050	5	3-3/16	5-13/16	6- 3/8	4.30
806-050F ⁺	5	5- 1/2	8- 1/2	6- 5/16	6.22
806-060	6	3-13/16	6-13/16	7-19/32	7.60
806-080	8	4-25/32	8-25/32	9- 3/4	14.58
806-080F ⁺	8	7-7/8	12-1/8	9-5/8	19.17
806-100	10	5-25/32	10-13/16	12-1/16	27.00
806-100F ⁺	10	10	15- 1/4	11-15/16	30.83
806-120	12	7	13	14-1/4	42.95
806-120F ⁺	12	11- 1/2	17- 3/4	14- 1/8	45.85
806-140	14	7- 1/2	14- 1/2	15-9/16	54.20
806-140F ⁺	14	13- 1/2	20- 1/2	15- 1/2	63.10
806-160F ⁺	16	15- 9/16	23- 9/16	17-11/16	103.88



90° EII

Socket x Socket

(Continued)

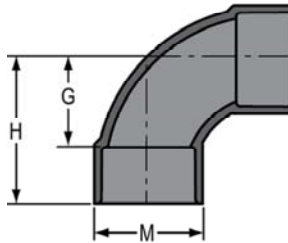


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-180F*	18	17-11/16	26-11/16	19- 7/8	164.83
806-200F*	20	19-13/16	29-13/16	22- 1/16	193.41
806-240F*	24	24	36	26- 7/16	324.00

* Fabricated

90° EII Sweep

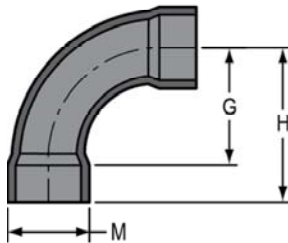
Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005S	1/2	27/32	1-23/32	1- 3/16	.09
806-007S	3/4	1-1/16	2-1/16	1-13/32	.12
806-010S	1	1- 5/16	2- 7/16	1-3/4	.22
806-012S	1-1/4	1- 9/16	2-27/32	2- 3/32	.33
806-015S	1-1/2	1- 3/4	3-5/32	2-3/8	.46
806-020S	2	2- 5/16	3-13/16	2- 7/8	.78

90° EII - Long Sweep

Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005LSF*	1/2	1- 7/8	2- 3/4	1- 1/8	.12
806-007LSF*	3/4	2- 7/16	3- 7/16	1- 7/16	.21
806-010LSF*	1	2- 7/8	4	1-11/16	.38
806-012LSF*	1-1/4	3- 5/8	4- 7/8	2- 1/16	.58
806-015LSF*	1-1/2	4- 1/8	5- 1/2	2- 5/16	.59
806-020LSF*	2	4- 3/4	6-1/4	2-13/16	1.06
806-025LSF*	2-1/2	5- 3/4	7- 3/4	3- 7/16	1.56

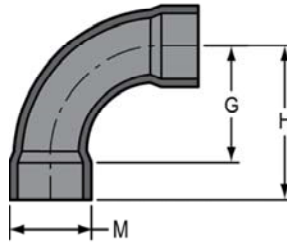
Schedule 80 PVC Technical
Schedule 80 Fittings



90° EII - Long Sweep

(Continued)

Socket x Socket

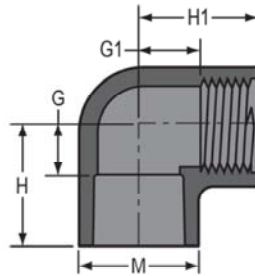


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-030LSF*	3	7	9	4- 1/8	2.35
806-040LSF*	4	9	11- 1/4	5- 3/16	3.96
806-060LSF*	6	13	16- 1/4	7- 1/2	10.96
806-080LSF*	8	23-1/2	27-3/4	9-5/8	28.88
806-100LSF*	10	27	32-1/4	11-15/16	54.18

* Fabricated

90° EII

Socket x Fipt



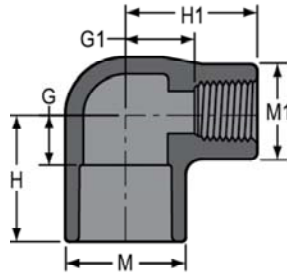
Part Number	Size	G	G1	H	H1	M	Approx. Wt. (Lbs.)
807-002	1/4	5/16	11/32	15/16	15/16	7/8	.03
807-003	3/8	1/4	7/16	1- 1/32	1- 1/32	1- 1/32	.05
807-005	1/2	15/32	9/16	1-11/32	1- 9/32	1- 3/16	.08
807-007	3/4	9/16	11/16	1- 9/16	1-13/32	1- 3/8	.10
807-010	1	11/16	3/4	1-7/8	1-11/16	1-23/32	.18
807-012	1-1/4	23/32	1- 1/32	1-31/32	1-31/32	2- 1/16	.28
807-015	1-1/2	31/32	1- 7/32	2-11/32	2- 5/32	2-3/8	.39
807-020	2	1-13/32	1-1/2	2-15/16	2-1/2	3	.80
807-030	3	1-13/16	2-1/4	3-11/16	3- 9/16	4-1/4	1.92
807-040	4	2-3/8	2-13/16	4- 9/16	4-7/32	5- 1/4	2.86
807-060 ¹	6	3-3/4	7-1/8	6-25/32	8-3/4	7-19/32	10.35

¹ Thread outlet sized with Female Adapter



90° EII - Reducing

Socket x Fipt

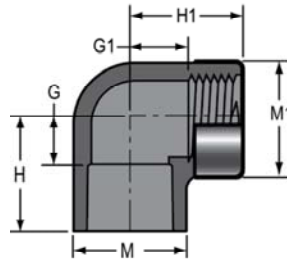


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101	3/4X1/2	1/2	13/16	1-1/2	1-17/32	1-13/32	1-3/16	.11
807-130 ¹	1X1/2	7/8	1-15/32	2	2-3/16	1-23/32	1-23/32	.25
807-131 ¹	1X3/4	7/8	1-17/32	2	2- 1/4	1-23/32	1-23/32	.15

¹ Sized with Bushing

90° EII - Special Reinforced

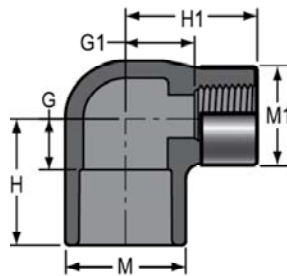
Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-005SR	1/2	15/32	23/32	1-11/32	1- 9/32	1- 3/16	1- 7/32	.09
807-007SR	3/4	9/16	21/32	1- 9/16	1-13/32	1- 3/8	1- 3/8	.11
807-010SR	1	19/32	13/16	1-23/32	1-23/32	1-11/16	1-23/32	.20
807-012SR	1-1/4	23/32	1- 1/32	1-31/32	1-31/32	2- 1/16	2- 1/16	.30
807-015SR	1-1/2	1	1- 5/32	2- 3/8	2-5/32	2-11/32	2- 7/16	.40
807-020SR	2	1-13/32	1- 1/2	2-15/16	2-17/32	3	3	.82
807-030SR	3	1-13/16	2- 7/32	3-23/32	3- 9/16	4- 9/32	4- 9/32	1.99
807-040SR	4	2- 9/32	2-25/32	4- 9/16	4- 7/32	5- 1/4	5- 1/4	2.94

90° EII - Special Reinforced Reducing

Socket x SR Fipt - Stainless Steel Collar



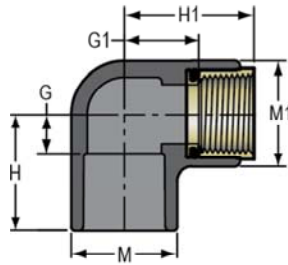
Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101SR	3/4X1/2	1/2	13/16	1-17/32	1-17/32	1-13/32	1- 3/16	.11
807-130SR	1X1/2	15/32	23/32	1-19/32	1-15/32	1-23/32	1- 3/16	.13

Schedule 80 PVC Technical
Schedule 80 Fittings



90° EII - Brass Transition

Socket x Fipt With Brass Thread Insert

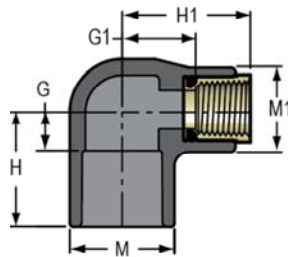


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-005BR	1/2	13/32	31/32	1- 9/32	1-17/32	1- 5/32	1- 3/16	.14
807-007BR	3/4	17/32	1-1/16	1-17/32	1-11/16	1- 3/8	1-3/8	.20

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

90° EII - Brass Transition Reducing

Socket x Fipt With Brass Thread Insert

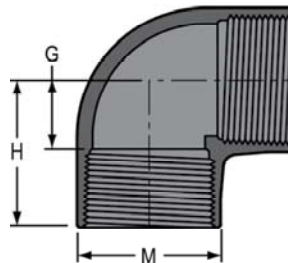


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101BR	3/4X1/2	1/2	1- 3/32	1-1/2	1-5/8	1-13/32	1- 3/16	.16

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

90° EII

Fipt x Fipt

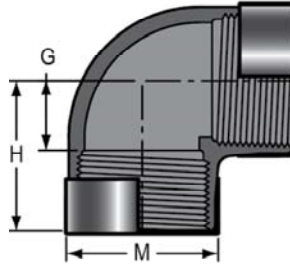


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-002	1/4	11/32	15/16	7/8	.03
808-003	3/8	9/16	1- 5/32	15/16	.05
808-005	1/2	1/2	1- 7/32	1- 3/16	.08
808-007	3/4	5/8	1- 3/8	1- 3/8	.11
808-010	1	11/16	1-9/16	1-23/32	.20
808-012	1-1/4	1	1-15/16	2- 1/16	.30
808-015	1-1/2	1	2- 3/32	2- 7/16	.46
808-020	2	1-17/32	2-17/32	3	.87
808-025	2-1/2	1-9/16	3-1/8	3-1/2	1.34
808-030	3	1-7/8	3-1/2	4-9/32	2.29
808-040	4	2-11/16	4-3/16	5-1/4	2.98



90° EII - Special Reinforced

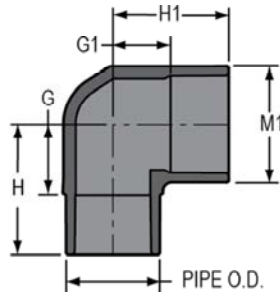
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-003SR	3/8	9/16	1-5/32	31/32	.06
808-005SR	1/2	17/32	1-1/4	1- 3/16	.10
808-007SR	3/4	21/32	1-13/32	1- 3/8	.13
808-010SR	1	13/16	1-21/32	1-11/16	.22
808-012SR	1-1/4	1-1/32	2	2- 1/16	.33
808-015SR	1-1/2	1	2- 1/8	2- 7/16	.50
808-020SR	2	1-1/2	2-17/32	3	.92

90° Street EII

Spigot x Socket



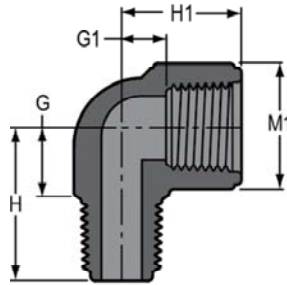
Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
809-005	1/2	25/32	19/32	1-11/16	1-15/32	1- 5/32	.07
809-007	3/4	29/32	11/16	1-15/16	1-11/16	1-13/32	.11
809-010	1	1-3/32	27/32	2- 7/32	2	1-23/32	.19
809-012	1-1/4	1-5/16	1-1/32	2-9/16	2-9/32	2- 3/32	.29
809-015	1-1/2	1- 7/16	1- 3/16	2-13/16	2- 9/16	2- 3/8	.39
809-020	2	1-23/32	1- 7/16	3-7/32	2-15/16	2- 7/8	.65
809-025 ¹	2-1/2	3-3/8	1-5/8	5-3/8	3-3/8	3-15/16	1.31
809-030	3	2- 3/8	1-13/16	4- 1/4	3-11/16	4- 3/16	1.64
809-040	4	3-1/32	2-9/32	5-9/32	4-9/16	5- 1/4	2.85
809-060 ¹	6	5-13/16	3-13/16	8-13/16	6-13/16	7- 9/16	9.03
809-080 ¹	8	7-1/8	5	11-1/8	8-7/8	9- 3/4	16.85
809-100 ¹	10	8-7/8	5-7/8	13-7/8	10-7/8	12- 1/16	33.74
809-100F ⁺	10	9-9/16	9-5/8	14-13/16	14-7/8	11-15/16	33.94
809-120 ¹	12	11	7	17	13	14-5/16	53.96
809-120F ⁺	12	11-1/8	10-7/8	17-3/8	17-1/8	14-1/8	55.04
809-140 ¹	14	11-1/2	7-1/2	18-1/2	14-1/2	15-9/16	63.10
809-140F ⁺	14	13-1/2	13-1/2	20-1/2	20-1/2	15-1/2	70.94
809-160F ⁺	16	19-9/16	15-9/16	28-9/16	23-9/16	17-11/16	122.96
809-180F ⁺	18	22-3/16	17-11/16	32-3/16	26-11/16	19-7/8	181.69
809-200F ⁺	20	24-13/16	19-13/16	35-13/16	29-13/16	22-1/16	233.25
809-240F ⁺	24	30	24	43	36	26-7/16	422.19

Schedule 80 PVC Technical
Schedule 80 Fittings



90° Street Ell

Mipt x Fipt

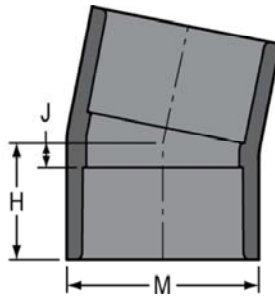


Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
812-002	1/4	9/16	1/4	1-1/16	27/32	13/16	.02
812-005	1/2	23/32	13/32	1-11/32	1-1/8	1-3/16	.05
812-007	3/4	7/8	17/32	1-1/2	1-1/4	1-7/16	.08
812-010	1	1- 1/32	21/32	1-13/16	1- 9/16	1-23/32	.15
812-012 ¹	1-1/4	2- 9/16	15/16	3-5/16	1-31/32	2- 7/32	.39
812-015 ¹	1-1/2	2-11/16	1-3/16	3- 7/16	2- 1/8	2-3/8	.53

¹ Sized with Adapter

11-1/4° Ell

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
811-005F ⁺	1/2	1-5/16	5/16	1-1/8	.07
811-007F ⁺	3/4	1-5/16	5/16	1-3/8	.09
811-010F ⁺	1	1-9/16	5/16	1-11/16	.16
811-012F ⁺	1-1/4	2	1/2	2-1/16	.24
811-015	1-1/2	1-19/32	7/32	2- 3/8	.24
811-020	2	1-23/32	7/32	2-27/32	.33
811-025F ⁺	2-1/2	2-11/16	11/16	3- 7/16	.92
811-030	3	2- 3/16	5/16	4-5/32	.87
811-040	4	2-21/32	3/8	5- 1/4	1.52
811-045F ⁺	4-1/2	3- 1/2	1	5- 5/8	2.36
811-050F ⁺	5	3-13/16	13/16	6- 5/16	2.84
811-060F ⁺	6	4- 1/4	1	7- 1/2	4.67
811-080F ⁺	8	5- 3/8	1- 1/8	9- 5/8	6.56
811-100F ⁺	10	6-11/16	1- 7/16	11-15/16	15.43
811-120F ⁺	12	7-13/16	1- 9/16	14- 1/8	24.62

Made in the U.S.A.

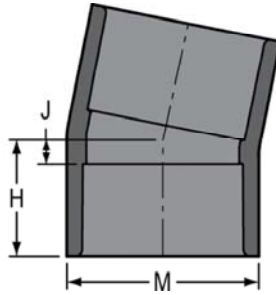
Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas
 See Spears® Product Sourcebook for product offerings



11-1/4° EII

(Continued)

Socket x Socket

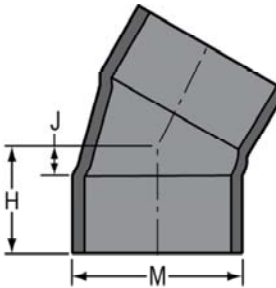


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
811-140F*	14	9	2	15- 1/2	33.00
811-160F*	16	10- 3/8	2- 3/8	17-11/16	48.75
811-180F*	18	11- 3/4	2- 3/4	19- 7/8	72.67
811-200F*	20	13- 1/8	3- 1/8	22- 1/16	99.19
811-240F*	24	15-13/16	3-13/16	26- 7/16	169.84

* Fabricated

30° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
815-005F*	1/2	1- 7/16	7/16	1- 1/8	.08
815-007F*	3/4	1- 7/16	7/16	1- 3/8	.12
815-010F*	1	1- 3/4	1/2	1-11/16	.16
815-012F*	1-1/4	2- 3/16	11/16	2- 1/16	.29
815-015F*	1-1/2	2- 3/16	11/16	2- 5/16	.35
815-020F*	2	2- 1/2	3/4	2-13/16	.57
815-025F*	2-1/2	3	1	3- 7/16	1.05
815-030F*	3	3- 5/16	1- 1/16	4- 1/8	1.46
815-040F*	4	3- 7/16	1- 3/16	5- 3/16	2.13
815-045F*	4-1/2	4	1- 1/2	5- 5/8	2.84
815-050F*	5	4- 3/8	1- 3/8	6- 5/16	3.30
815-060	6	4-13/16	1-13/16	7-5/8	5.59
815-080F*	8	6- 3/16	1-15/16	9- 5/8	10.65
815-100F*	10	7- 3/4	2- 1/2	11-15/16	18.51
815-120F*	12	9- 1/16	2-13/16	14- 1/8	28.97
815-140F*	14	10- 7/16	3- 7/16	15- 1/2	37.94
815-160F*	16	11-15/16	3-15/16	17-11/16	61.48
815-180F*	18	13-1/2	4-1/2	19- 7/8	83.85
815-200F*	20	15	5	22- 1/16	112.87
815-240F*	24	18- 1/8	6- 1/8	26- 7/16	191.00

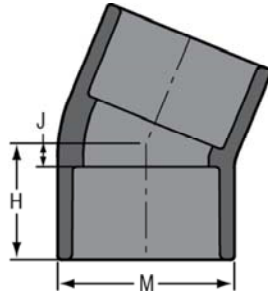
* Fabricated

Schedule 80 PVC Technical
Schedule 80 Fittings



22-1/2° EII

Socket x Socket

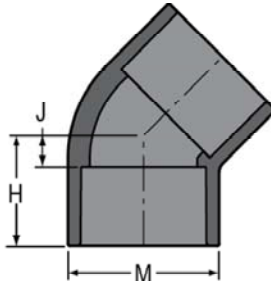


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
816-005	1/2	1- 1/16	3/16	1- 5/32	.05
816-007	3/4	1- 3/16	7/32	1-13/32	.08
816-010	1	1-11/32	7/32	1-23/32	.13
816-010F*	1	1-11/16	7/16	1-11/16	.16
816-015F*	1-1/2	2- 1/8	5/8	2- 5/16	.24
816-012	1-1/4	1- 1/2	1/4	2- 3/32	.19
816-015	1-1/2	1-21/32	9/32	2-11/32	.25
816-020	2	1- 7/8	3/8	2-27/32	.38
816-025	2-1/2	2- 7/32	15/32	3- 1/2	.68
816-025F*	2-1/2	2- 7/8	7/8	3- 7/16	.83
816-030	3	2-3/8	1/2	4- 5/32	.96
816-040	4	2- 7/8	5/8	5- 1/4	1.64
816-045F*	4-1/2	3-13/16	1- 5/16	5- 5/8	2.60
816-050F*	5	4- 1/8	1- 1/8	6- 5/16	3.14
816-060	6	3-15/16	7/8	7-9/16	4.33
816-060F*	6	4- 5/8	1- 3/8	7- 1/2	5.14
816-080	8	5- 1/16	1- 1/32	9- 3/4	8.18
816-080F*	8	5- 7/8	1- 5/8	9- 5/8	7.06
816-100F*	10	7- 5/16	2- 1/16	11-15/16	20.59
816-120F*	12	8- 9/16	2- 5/16	14- 1/8	27.52
816-140F*	14	9-13/16	2-13/16	15- 1/2	34.64
816-160F*	16	11- 5/16	3- 5/16	17-11/16	52.97
816-180F*	18	12- 3/4	3- 3/4	19- 7/8	74.44
816-200F*	20	14- 1/4	4- 1/4	22- 1/16	106.03
816-240F*	24	17- 3/16	5- 3/16	26- 7/16	189.95

* Fabricated

45° EII

Socket x Socket



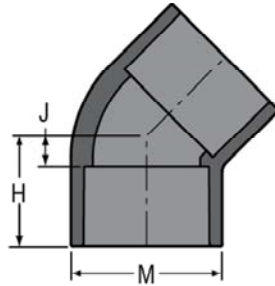
Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
817-002	1/4	13/16	5/32	27/32	.02
817-003	3/8	15/16	3/16	1	.03
817-005	1/2	1- 1/8	1/4	1- 3/16	.06



45° EII

Socket x Socket

(Continued)

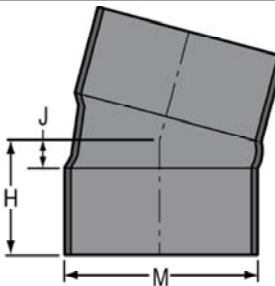


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
817-007	3/4	1- 5/16	5/16	1-7/16	.09
817-010	1	1- 7/16	5/16	1-23/32	.14
817-012	1-1/4	1- 5/8	3/8	2- 1/8	.21
817-015	1-1/2	1-13/16	7/16	2- 3/8	.30
817-020	2	2- 1/8	5/8	2- 7/8	.45
817-025	2-1/2	2-7/16	11/16	3- 1/2	.78
817-030	3	2-25/32	29/32	4-1/8	1.11
817-040	4	3- 5/16	1- 1/16	5- 1/4	1.99
817-045F*	4-1/2	4- 1/2	2	5- 5/8	2.62
817-050	5	4	1-3/8	6-3/8	3.28
817-050F*	5	4- 7/8	1- 7/8	6- 5/16	3.74
817-060	6	4- 3/4	1- 3/4	7-9/16	5.46
817-080	8	6	2	9- 3/4	10.16
817-100	10	7-5/8	2-19/32	12-1/8	18.98
817-100F*	10	8-11/16	3- 7/16	11-15/16	17.37
817-120	12	9-3/16	3-1/8	14-9/32	32.53
817-120F*	12	10- 1/8	3- 7/8	14- 1/8	31.86
817-140	14	10-11/32	3- 5/16	15- 5/8	39.65
817-140F*	14	11- 9/16	4- 9/16	15- 1/2	41.24
817-160F*	16	13- 5/16	5- 5/16	17-11/16	61.48
817-180F*	18	15	6	19- 7/8	87.73
817-200F*	20	16- 3/4	6- 3/4	22- 1/16	112.97
817-240F*	24	20- 3/16	8- 3/16	26- 7/16	208.66

* Fabricated

15° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-005F*	1/2	1-5/16	5/16	1-1/8	.07
818-007F*	3/4	1-5/16	5/16	1-3/8	.09
818-010F*	1	1-5/8	3/8	1-11/16	.16
818-015F*	1-1/2	2	1/2	2-5/16	.26
818-020F*	2	2- 5/16	9/16	2-13/16	.49

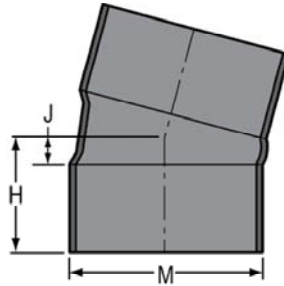
Schedule 80 PVC Technical
Schedule 80 Fittings



15° EII

Socket x Socket

(Continued)

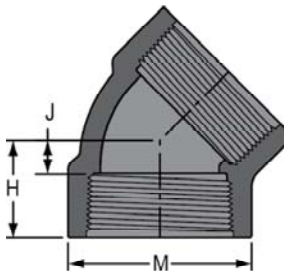


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-025F [*]	2-1/2	2- 3/4	3/4	3- 7/16	.92
818-030F [*]	3	3	3/4	4- 1/8	1.14
818-040F [*]	4	3- 1/8	7/8	5- 3/16	1.89
818-045F [*]	4-1/2	3- 5/8	1-1/8	5- 5/8	2.36
818-050F [*]	5	3-15/16	15/16	6- 5/16	2.98
818-060F [*]	6	4- 3/8	1- 1/8	7- 1/2	4.67
818-080F [*]	8	4- 1/2	1- 1/4	9- 5/8	9.23
818-100F [*]	10	6-15/16	1-11/16	11-15/16	15.43
818-120F [*]	12	8- 1/16	1-13/16	14- 1/8	26.07
818-140F [*]	14	9- 5/16	2- 5/16	15- 1/2	32.99
818-160F [*]	16	10-11/16	2-11/16	17-11/16	48.75
818-180F [*]	18	12- 1/16	3- 1/16	19- 7/8	72.67
818-200F [*]	20	13- 1/2	3- 1/2	22- 1/16	99.19
818-240F [*]	24	16- 1/4	4- 1/4	26- 7/16	169.84

* Fabricated

45° EII

Fipt x Fipt

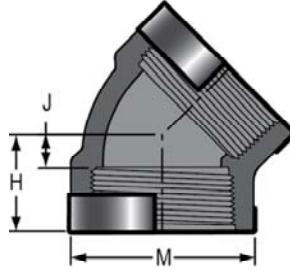


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-002	1/4	3/4	5/32	27/32	.02
819-003	3/8	25/32	3/16	1	.03
819-005	1/2	31/32	1/4	1- 3/16	.06
819-007	3/4	1-1/32	5/16	1- 3/8	.08
819-010	1	1- 7/32	5/16	1-11/16	.14
819-012	1-1/4	1-3/8	3/8	2- 3/16	.23
819-015	1-1/2	1-25/32	7/16	2- 1/2	.31
819-020	2	1-11/16	5/8	3	.46
819-025	2-1/2	2-1/16	1-1/16	3- 1/2	1.08
819-030	3	2-23/32	1-7/32	4- 9/32	1.77
819-040	4	3- 1/4	1-3/4	5- 1/4	2.70



45° EII - Special Reinforced

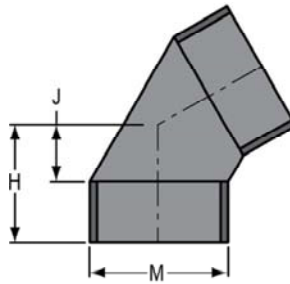
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-005SR	1/2	31/32	1/4	1- 3/16	.08
819-007SR	3/4	1-1/6	5/16	1- 3/8	.10
819-010SR	1	1-7/32	5/16	1-11/16	.17

60° EII

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
824-005F*	1/2	1- 5/8	5/8	1- 1/8	.08
824-007F*	3/4	1-11/16	11/16	1- 3/8	.17
824-010F*	1	2	3/4	1-11/16	.23
824-012F*	1-1/4	2- 1/2	1	2- 1/16	.26
824-015F*	1-1/2	2- 5/8	1- 1/8	2-5/16	.40
824-020F*	2	3	1- 1/4	2-13/16	.65
824-025F*	2-1/2	3- 9/16	1- 9/16	3- 7/16	1.18
824-030F*	3	4	1- 3/4	4- 1/8	1.46
824-040F*	4	4- 5/16	2- 1/16	5- 3/16	2.60
824-060F*	6	6- 1/8	2- 7/8	7- 1/2	5.85
824-080F*	8	7- 3/4	3- 1/2	9- 5/8	18.81
824-100F*	10	9-11/16	4- 7/16	11-15/16	21.60
824-120F*	12	11- 5/16	5- 1/16	14- 1/8	34.76
824-140F*	14	12-15/16	5-15/16	15- 1/2	41.18
824-160F*	16	14-13/16	6-13/16	17-11/16	65.72
824-180F*	18	16- 3/4	7- 3/4	19- 7/8	97.83
824-200F*	20	23-11/16	13-11/16	22- 1/16	232.59
824-240F*	24	28-11/16	16-11/16	26- 7/16	325.13

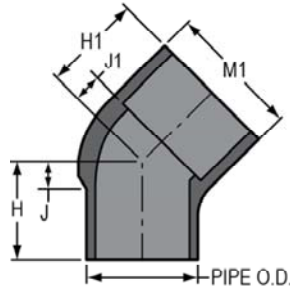
* Fabricated

Schedule 80 PVC Technical
Schedule 80 Fittings



45° Street Ell

Spigot x Socket

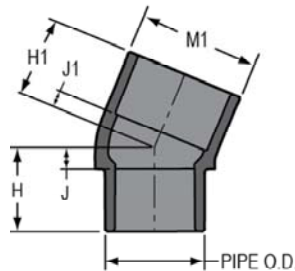


Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
827-005	1/2	1-3/8	1-1/8	15/32	1/4	1- 3/16	.05
827-007	3/4	1-9/16	1-3/8	17/32	3/8	1-3/8	.09
827-010	1	1-25/32	1- 1/2	19/32	11/32	1-23/32	.14
827-012	1-1/4	2	1-23/32	3/4	15/32	2- 3/32	.22
827-015	1-1/2	2-3/16	1-29/32	13/16	17/32	2-3/8	.29
827-020	2	2-7/16	2-1/8	15/16	5/8	2-7/8	.43
827-025 ¹	2-1/2	3-5/16	2-7/16	1-9/16	11/16	3- 1/2	1.09
827-030	3	3-3/16	2-3/4	1-5/16	7/8	4-3/16	1.18
827-040	4	3-7/8	3-11/32	1-5/8	1-3/32	5- 1/4	2.14
827-050F [*]	5	7-3/8	4-7/8	3-3/8	1-7/8	6-5/16	4.82
827-060	6	5-1/8	4-3/4	2-1/8	1-3/4	7-19/32	5.69
827-080	8	6-19/32	6	2-9/16	2	9- 3/4	10.52
827-100 ¹	10	10-5/8	7-21/32	5-5/8	2-5/8	12	24.55
827-120 ¹	12	12-13/16	9-5/32	6-13/16	3- 3/32	14-13/32	42.10
827-140F [*]	14	11- 9/16	11- 9/16	4- 9/16	4- 9/16	15- 1/2	41.24
827-160F [*]	16	18- 5/16	13- 5/16	9- 5/16	5- 5/16	17-11/16	80.56
827-180F [*]	18	20- 1/2	15	10- 1/2	6	19- 7/8	117.40
827-200F [*]	20	22- 3/4	16- 3/4	11- 3/4	6- 3/4	22- 1/16	156.52
827-240F [*]	24	27- 3/16	20- 3/16	14- 3/16	8- 3/16	26- 7/16	271.75

* Fabricated

22-1/2° Street Ell

Spigot x Socket



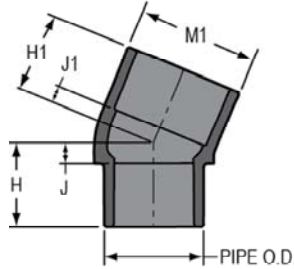
Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
842-005	1/2	1-1/8	15/16	1/4	1/32	1- 3/16	.04
842-007	3/4	1-5/16	1-1/8	5/16	1/8	1- 3/8	.07
842-010	1	1-1/2	1-11/32	3/8	7/32	1-23/32	.12
842-012	1-1/4	1-11/16	1-1/2	7/16	1/4	2-1/16	.19
842-015	1-1/2	1-27/32	1-11/16	15/32	5/16	2-11/32	.25
842-020	2	2-1/6	1-7/8	17/32	3/8	2- 7/8	.42
842-025	2-1/2	2- 7/32	2- 7/32	15/32	15/32	3- 1/2	.66
842-030	3	2-13/32	2-13/32	1-7/32	17/32	4- 5/32	.96
842-040	4	3	2-7/8	3/4	5/8	5- 1/4	1.64
842-060	6	5-7/8	3-29/32	2-7/8	7/8	7-9/16	6.67



22-1/2° Street Ell

(Continued)

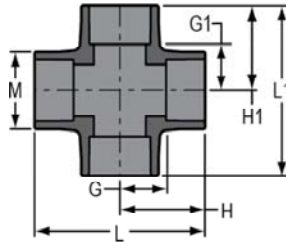
Spigot x Socket



Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
842-080	8	7-3/32	5-3/32	3-3/32	1-3/32	9- 3/4	11.05

Cross

Socket x Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-002	1/4	13/32	13/32	1- 1/32	1- 1/32	2- 1/16	2- 1/16	13/16	13/16	.04
820-005	1/2	19/32	19/32	1-15/32	1-15/32	2-15/16	2-15/16	1- 3/16	1- 3/16	.13
820-007	3/4	5/8	5/8	1- 5/8	1- 5/8	3- 1/4	3- 1/4	1-13/32	1-13/32	.20
820-010	1	31/32	31/32	2- 3/32	2- 3/32	4-3/16	4-3/16	1-23/32	1-23/32	.38
820-012	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	.60
820-015	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	.80
820-020	2	1- 1/2	1- 1/2	3	3	6	6	3	3	1.34
820-025	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	2.01
820-030	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	3.28
820-040	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	5.30
820-060F*	6	6- 1/4	6- 1/4	9- 1/2	9- 1/2	19	19	7- 1/2	7- 1/2	15.89
820-080F*	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	29.82
820-100F*	10	9	9	14- 1/4	14- 1/4	28- 1/2	28- 1/2	11-15/16	11-15/16	51.44
820-120F*	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	35	14- 1/8	14- 1/8	89.81
820-140F*	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	115.49
820-160F*	16	13	13	21	21	42	42	17-11/16	17-11/16	156.88
820-180F*	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	220.83
820-200F*	20	16- 3/8	16- 3/8	26- 3/8	26- 3/8	52- 3/4	52- 3/4	22- 1/16	22- 1/16	314.68
820-240F*	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	553.21

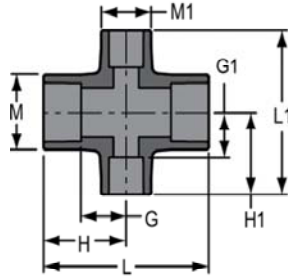
* Fabricated

Schedule 80 PVC Technical
Schedule 80 Fittings



Cross - Reducing

Socket x Socket x Socket x Socket



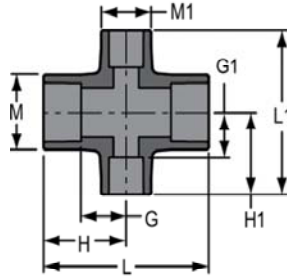
Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-101 ¹	3/4X1/2	5/8	15/16	1-5/8	1-27/32	3-1/4	3-21/32	1-13/32	1-13/32	.25
820-130 ¹	1X1/2	31/32	1-15/32	2-3/32	2-11/32	4-3/16	4-23/32	1-23/32	1-23/32	.49
820-131	1X3/4	23/32	5/8	1-5/8	1-5/8	3-1/4	3-1/4	1-7/8	1-1/2	.29
820-166 ¹	1-1/4X1/2	1-3/32	1-3/4	2-3/8	2-5/8	4-3/4	5-1/4	2-1/8	2-1/8	.83
820-167	1-1/4X3/4	3/4	1-1/32	2	2-1/16	4	4-1/8	2-1/16	1-3/8	.33
820-168 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	.72
820-209 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	1.09
820-210	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	.40
820-211 ¹	1-1/2X1	1-1/4	1-5/8	2-5/8	2-25/32	5-1/4	5-9/16	2-3/8	2-3/8	1.05
820-212 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	.92
820-247 ¹	2X1/2	1-1/2	2-3/8	3	3-1/4	6	6-1/2	3	3	1.85
820-248 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	.54
820-249 ¹	2X1	1-1/2	2-1/8	3	3-1/4	6	6-1/2	3	3	1.81
820-250 ¹	2X1-1/4	1-1/2	1-15/16	3	3-3/16	6	6-3/8	3	3	1.72
820-251 ¹	2X1-1/2	1-1/2	1-13/16	3	3-3/16	6	6-3/8	3	3	1.62
820-289	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	1.01
820-290 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	2.89
820-291 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	2.76
820-292 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	2.48
820-335 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	4.46
820-336 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	4.54
820-337 ¹	3X1-1/2	2-3/32	2-31/32	3-31/32	4-1/32	7-15/16	8-1/16	4-11/32	4-11/32	4.55
820-338 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	4.49
820-339 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	4.02
820-420 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	7.54
820-420F ⁺	4X2	3-7/8	4-1/4	6-1/8	6	12-1/4	12	5-3/16	2-13/16	3.94
820-422 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	6.93
820-527F ⁺	6X1-1/2	4-3/8	5-7/16	7-5/8	6-15/16	15-1/4	13-7/8	7-1/2	2-5/16	7.81
820-528F ⁺	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	8.30
820-530F ⁺	6X3	4-3/4	5-3/4	8	8	16	16	7-1/2	4-1/8	9.29
820-532F ⁺	6X4	5-1/4	6-3/4	8-1/2	9	17	18	7-1/2	5-3/16	11.87
820-533F ⁺	6X5	5-3/4	6-1/2	9	9-1/2	18	19	7-1/2	6-5/16	13.25
820-578F ⁺	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	12.99
820-580F ⁺	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	16.54
820-582F ⁺	8X4	5-3/4	7-11/16	10	9-15/16	20	19-7/8	9-5/8	5-3/16	16.57
820-585F ⁺	8X6	6-3/4	8-1/16	11	11-5/16	22	22-5/8	9-5/8	7-1/2	18.69
820-621F ⁺	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	19.46
820-622F ⁺	10X2-1/2	5-1/4	7-5/16	10-1/2	9-5/16	21	18-5/8	11-15/16	3-7/16	7.21
820-623F ⁺	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	25.45
820-624F ⁺	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	26.74



Cross - Reducing

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-626F ⁺	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	30.99
820-628F ⁺	10X8	8- 1/4	9-15/16	13- 1/2	14- 3/16	27	28- 3/8	11-15/16	9- 5/8	43.00
820-661F ⁺	12X2	4- 3/4	8	11	9- 3/4	22	19- 1/2	14- 1/8	2-13/16	35.50
820-663F ⁺	12X3	5- 1/4	8- 9/16	11- 1/2	10-13/16	23	21- 5/8	14- 1/8	4- 1/8	37.84
820-664F ⁺	12X4	5- 3/4	9- 9/16	12	11-13/16	24	23- 5/8	14- 1/8	5- 3/16	39.32
820-666F ⁺	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	49.48
820-668F ⁺	12X8	8	10-13/16	14- 1/4	15- 1/16	28- 1/2	30- 1/8	14- 1/8	9- 5/8	59.10
820-670F ⁺	12X10	10-1/4	10-13/16	16-1/2	16- 1/16	33	32- 1/8	14- 1/8	11-15/16	67.15
820-691F ⁺	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	43.63
820-693F ⁺	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	46.69
820-694F ⁺	14X4	6- 1/2	10- 1/8	13- 1/2	12- 3/8	27	24- 3/4	15- 1/2	5- 3/16	50.92
820-696F ⁺	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	60.27
820-698F ⁺	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	70.30
820-700F ⁺	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	82.02
820-702F ⁺	14X12	11	11- 3/8	18	17- 5/8	36	35- 1/4	15- 1/2	14- 1/8	97.46
820-751F ⁺	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	64.01
820-753F ⁺	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	65.41
820-754F ⁺	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	65.25
820-756F ⁺	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	81.24
820-758F ⁺	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	92.64
820-760F ⁺	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	105.31
820-762F ⁺	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	121.68
820-764F ⁺	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	137.83
820-784F ⁺	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	98.11
820-786F ⁺	18X6	8- 1/2	12- 5/16	17- 1/2	15- 9/16	35	31- 1/8	19- 7/8	7- 1/2	110.90
820-788F ⁺	18X8	9- 1/2	13- 3/16	18- 1/2	17- 7/16	37	34- 7/8	19- 7/8	9- 5/8	123.22
820-790F ⁺	18X10	10- 1/2	13- 3/16	19- 1/2	18- 7/16	39	36- 7/8	19- 7/8	11-15/16	130.90
820-792F ⁺	18X12	11- 1/2	13- 3/16	20- 1/2	19- 7/16	41	38- 7/8	19- 7/8	14- 1/8	147.20
820-794F ⁺	18X14	12- 3/4	13- 9/16	21- 3/4	20- 9/16	43- 1/2	41- 1/8	19-11/16	15- 1/2	173.13
820-796F ⁺	18X16	13- 1/2	14- 3/16	22- 1/2	22- 3/16	45	44- 3/8	19-7/8	17-11/16	194.98
820-814F ⁺	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	133.05
820-816F ⁺	20X6	8- 7/8	13- 1/4	18- 7/8	16- 1/2	37- 3/4	33	22- 1/16	7- 1/2	144.29
820-818F ⁺	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	157.86
820-820F ⁺	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	173.13
820-822F ⁺	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	195.00
820-824F ⁺	20X14	12- 7/8	14- 1/2	22- 7/8	21- 1/2	45- 3/4	43	22- 1/16	15- 1/2	208.73
820-826F ⁺	20X16	14	15- 1/8	24	23- 1/8	48	46- 1/4	22- 1/16	17-11/16	238.04
820-828F ⁺	20X18	15	15	25	24	50	48	22- 1/16	19- 7/8	270.73
820-904F ⁺	24X4	9	14-11/16	21	16-15/16	42	33- 7/8	26- 7/16	5- 3/16	209.09

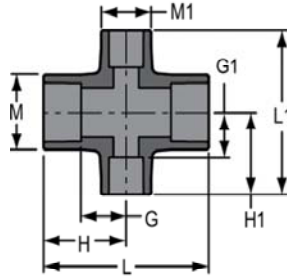
Schedule 80 PVC Technical
Schedule 80 Fittings



Cross - Reducing

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-906F [*]	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	225.85
820-908F [*]	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	242.28
820-910F [*]	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	260.41
820-912F [*]	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	287.11
820-914F [*]	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	306.59
820-916F [*]	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	340.20
820-918F [*]	24X18	15- 3/4	16-13/16	27- 3/4	25-13/16	55- 1/2	51- 5/8	26- 7/16	19- 7/8	375.76
820-920F [*]	24X20	16- 3/4	18- 3/16	28- 3/4	28- 3/16	57- 1/2	56- 3/8	26- 7/16	22- 1/16	422.57

¹ Sized with Bushing

* Fabricated

Repair Coupling- Fabricated

Gasket x Gasket



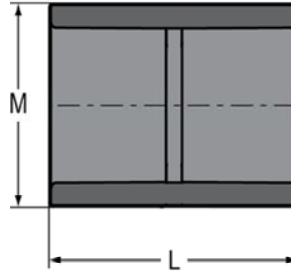
Part Number	Size	L	L1	M	M1	Approx. Wt. (Lbs.)
828-020F [*]	2	9- 1/8	6	2-13/16	3- 3/16	.96
828-030F [*]	3	15- 1/2	11- 3/4	4- 1/8	4- 5/8	3.25
828-040F [*]	4	19- 1/2	15	5- 3/16	5- 3/4	5.68
828-060F [*]	6	23	18-1/4	7- 1/2	8- 1/8	12.61
828-080F [*]	8	26-1/8	19	9- 5/8	10- 3/8	21.38
828-100F [*]	10	28	21-1/4	11-15/16	13-1/8	34.00
828-120F [*]	12	29	21-3/8	14- 1/8	15-3/8	49.16
828-140F [*]	14	30	21	15- 1/2	17-1/4	62.11
828-160F [*]	16	31	22-1/4	17-11/16	18-7/8	75.99
828-180F [*]	18	32	22-5/8	19-7/8	21-7/8	112.33
828-200F [*]	20	32	23-1/2	22-1/16	24-1/16	113.21
828-240F [*]	24	32	23-1/2	26-7/16	28-13/16	142.50

* Fabricated



Coupling

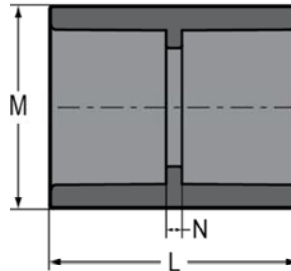
Socket X Socket (No Pipe Stop)



Part Number	Size	L	M	Approx. Wt. (Lbs.)
829-007NS	3/4	2-1/8	1-13/32	.07
829-010NS	1	2-13/32	1-23/32	.11
829-012NS	1-1/4	2-11/16	2-7/32	.22
829-015NS	1-1/2	2-7/8	2-11/32	.21
829-020NS	2	3-1/8	2-7/8	.31
829-025NS*	2-1/2	3-23/32	3-1/2	.55
829-030NS	3	3-31/32	4-3/16	.80
829-040NS	4	4-13/16	5-1/4	1.34
829-050NS	5	5-1/2	6-3/8	2.05
829-060NS	6	6-3/8	7-19/32	3.41
829-080NS	8	8-7/32	9-3/4	6.54
829-100NS	10	10-9/32	12-1/16	11.76
829-120NS	12	12-13/32	14-9/32	19.49

Coupling

Socket x Socket



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-002	1/4	1- 3/8	27/32	3/32	.02
829-003	3/8	1-5/8	1	3/32	.03
829-005	1/2	1- 7/8	1- 3/16	1/8	.04
829-007	3/4	2- 1/8	1-13/32	1/8	.07
829-010	1	2-13/32	1-23/32	1/8	.11
829-012	1-1/4	2-11/16	2-7/32	5/32	.16
829-015	1-1/2	2- 7/8	2-11/32	3/32	.21
829-020	2	3- 1/8	2-7/8	3/32	.31
829-025	2-1/2	3-23/32	3-1/2	7/32	.55
829-030	3	3-31/32	4-3/16	3/16	.79
829-040	4	4-13/16	5-1/4	1/4	1.34
829-050	5	5-15/32	6- 3/8	7/32	2.05
829-050F*	5	7- 3/8	6- 5/16	1- 3/8	3.05
829-060	6	6- 3/8	7-19/32	9/32	3.41
829-080	8	8-9/32	9-3/4	9/32	6.68
829-100	10	10- 9/32	12- 1/16	1/4	11.54
829-100F*	10	12- 1/2	11-15/16	2	14.40
829-120	12	12-13/32	14-9/32	3/8	19.08

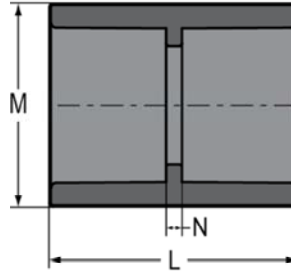
Schedule 80 PVC Technical
Schedule 80 Fittings



Coupling

Socket x Socket

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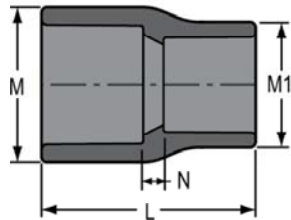


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-120F*	12	14- 1/4	14- 1/8	1- 3/4	21.80
829-140	14	14- 7/16	15- 5/8	3/8	27.04
829-140F*	14	16- 1/4	15- 1/2	2- 1/4	29.69
829-160F*	16	18-5/8	17-11/16	2-5/8	42.40
829-180F*	18	22	19- 7/8	4	67.00
829-200F*	20	25-3/4	22- 1/16	5-3/4	84.73
829-240F*	24	29- 1/4	26- 7/16	5- 1/4	147.22

* Fabricated

Coupling - Reducer

Socket x Socket



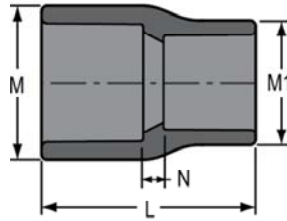
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-101	3/4X1/2	2- 3/32	1-7/16	1-3/16	7/32	.06
829-130	1X1/2	2- 3/16	1-23/32	1-13/32	3/16	.11
829-131	1X3/4	2-3/8	1-23/32	1-13/32	7/32	.09
829-166	1-1/4X1/2	2- 9/16	2- 3/32	1- 5/32	7/16	.13
829-167	1-1/4X3/4	2-19/32	2- 3/32	1- 5/8	11/32	.16
829-168	1-1/4X1	2-11/16	2-3/32	1-23/32	5/16	.16
829-209	1-1/2X1/2	2-27/32	2-11/32	1- 3/16	9/16	.18
829-210	1-1/2X3/4	2- 7/8	2-7/16	1-13/32	15/32	.20
829-211	1-1/2X1	2- 7/8	2-13/32	1-15/16	11-32	.25
829-212	1-1/2X1-1/4	2-13/16	2-13/32	2- 1/8	5/32	.21
829-247	2X1/2	3- 3/32	2- 7/8	1- 5/32	11/16	.29
829-248	2X3/4	3- 7/32	2- 7/8	1-7/16	11/16	.30
829-249	2X1	3-1/2	3	1-3/4	13/16	.36
829-250	2X1-1/4	3-1/4	2- 7/8	2-1/8	1/2	.30
829-251	2X1-1/2	3- 7/32	2-27/32	2-11/32	1/4	.29
829-291	2-1/2X1-1/2	3- 3/4	3- 1/2	2- 3/8	19/32	.50
829-292	2-1/2X2	3-21/32	3-1/2	2-7/8	3/8	.48
829-335 ¹	3X1	4-1/4	4-3/16	2-29/32	1-7/32	.98
829-336 ¹	3X1-1/4	4-3/16	4- 5/32	2-29/32	1- 1/16	.93
829-337	3X1-1/2	3-1/2	4- 3/16	2- 3/8	7/32	.69
829-338	3X2	4	4- 5/32	2-7/8	19/32	.74
829-339	3X2-1/2	4-1/8	4- 5/32	3- 15/32	1/2	.75



Coupling - Reducer

(Continued)

Socket x Socket

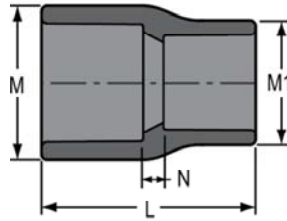


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-339F ⁺	3X2-1/2	6	4- 1/16	3- 7/16	1- 3/4	.90
829-416 ¹	4X3/4	5-23/32	5- 9/32	2-29/32	2-7/16	1.66
829-417 ¹	4X1	5-25/32	5- 9/32	2-29/32	2-13/32	1.66
829-419 ¹	4X1-1/2	5-23/32	5- 9/32	2-29/32	2- 1/16	1.57
829-420	4X2	5- 1/2	5-5/16	2-29/32	1-23/32	1.42
829-421	4X2-1/2	4-25/32	5-1/4	3- 1/2	25/32	1.27
829-422	4X3	4-19/32	5- 1/4	4- 3/16	15/32	1.25
829-460F ⁺	4-1/2X4	6-15/16	5- 5/8	5- 3/16	2- 3/16	2.13
829-487F ¹⁺	5X2-1/2	8-1/16	6- 1/4	5- 3/16	3-5/16	3.55
829-488F ¹⁺	5X3	8-1/16	6- 1/4	5- 3/16	3-3/16	3.21
829-490F ⁺	5X4	7- 3/4	6- 1/4	5- 3/16	2- 1/2	2.24
829-491F ⁺	5X4-1/2	6-7/8	6-5/16	5-11/16	1-3/8	2.53
829-528 ¹	6X2	7- 1/16	7-19/32	5-9/32	2-17/32	4.39
829-529 ¹	6X2-1/2	6-31/32	7-9/16	5- 9/32	2- 3/16	4.29
829-530 ¹	6X3	7	7- 9/16	5- 9/32	2-1/16	4.09
829-530F ¹⁺	6X3	9- 3/16	7- 5/16	5- 3/16	4-1/16	3.85
829-532	6X4	6-21/32	7-19/32	5-9/32	1-3/8	3.27
829-534F ⁺	6X4-1/2	7-7/8	7-3/8	5-11/16	2-1/8	3.19
829-533F ⁺	6X5	8-15/16	7- 3/8	6- 5/16	2-11/16	3.74
829-579F ^{1,2+}	8X2-1/2	14-15/16	9-1/2	5-3/16	8-15/16	8.32
829-580F ^{1,2+}	8X3	14-15/16	9- 1/2	5- 3/16	8-13/16	7.95
829-582F ²⁺	8X4	14- 5/8	9- 1/2	5- 3/16	8- 1/8	7.15
829-583F ²⁺	8X5	14-11/16	9- 1/2	6- 5/16	7- 7/16	7.77
829-585	8X6	8-1/16	9- 3/4	7-19/32	1	6.16
829-621F ^{1,3+}	10X2	21- 1/2	11- 3/4	5- 3/16	14-3/4	16.16
829-623F ^{1,3+}	10X3	21- 7/16	11- 3/4	5- 3/16	14-5/16	15.77
829-624F ³⁺	10X4	21- 1/8	11- 3/4	5- 3/16	13- 5/8	14.75
829-625F ³⁺	10X5	21- 3/16	11- 3/4	6- 5/16	12-15/16	14.90
829-626	10X6	10-5/8	12- 1/32	7-19/32	2-5/8	11.07
829-626F ²⁺	10X6	17- 1/2	11- 3/4	7- 1/2	9	16.01
829-628	10X8	10- 5/8	12-1/32	9- 3/4	1-5/8	11.29
829-628F ⁺	10X8	13-1/4	11-3/4	9-5/8	3-3/4	11.36
829-663F ^{1,4+}	12X3	28-11/16	13-15/16	5-3/16	20-9/16	27.97
829-664F ⁴⁺	12X4	28- 3/8	13-15/16	5- 3/16	19- 7/8	30.99
829-665F ⁴⁺	12X5	28- 7/16	13-15/16	6- 5/16	19- 3/16	28.96
829-666F ³⁺	12X6	24- 3/4	13-15/16	7- 1/2	15- 1/4	30.03
829-668	12X8	12- 5/8	14- 7/32	9- 3/4	2- 7/16	17.85
829-668F ²⁺	12X8	20- 1/2	13-15/16	9- 5/8	10	26.08
829-670F ⁺	12X10	16- 3/8	13-15/16	11-15/16	4- 7/8	20.57
829-691F ^{1,4+}	14X2	30-1/2	15-3/16	5-3/16	22	36.23

Coupling - Reducer

Socket x Socket

(Continued)



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-694F ^{4*}	14X4	30- 1/8	15- 3/16	5- 3/16	20- 7/8	29.93
829-696F ^{3*}	14X6	26- 1/2	15- 3/16	7- 1/2	16- 1/4	33.67
829-698F ^{2*}	14X8	22- 1/4	15- 3/16	9- 5/8	11	31.22
829-700F [*]	14X10	18- 1/8	15- 3/16	11-15/16	5- 7/8	24.68
829-702F [*]	14X12	17- 3/4	15- 3/8	14- 1/8	4- 1/2	27.40
829-754F ^{5*}	16X4	38	17- 3/8	5- 3/16	27- 3/4	50.44
829-756F ^{4*}	16X6	34- 3/8	17- 3/8	7- 1/2	23- 1/8	57.36
829-758F ^{3*}	16X8	30- 1/8	17- 3/8	9- 5/8	17- 7/8	53.41
829-760F ^{2*}	16X10	26	17- 3/8	11-15/16	12- 3/4	47.90
829-762F [*]	16X12	20- 1/4	17- 3/8	14- 1/8	6	37.66
829-764F [*]	16X14	21- 1/4	17- 1/2	15- 1/2	5- 1/4	42.89
829-783F ^{1,6*}	18X3	47-11/16	19-11/16	5-3/16	36-13/16	95.74
829-784F ^{6*}	18X4	47- 3/8	19-11/16	5- 3/16	36- 1/8	86.76
829-786F ^{5*}	18X6	43- 3/4	19-11/16	7- 1/2	31- 1/2	93.96
829-788F ^{4*}	18X8	39- 1/2	19-11/16	9- 5/8	26- 1/4	89.60
829-790F ^{3*}	18X10	35- 3/8	19-11/16	11-15/16	21- 1/8	84.51
829-792F ^{2*}	18X12	29- 5/8	19-11/16	14- 1/8	14- 3/8	68.96
829-794F ^{2*}	18X14	29- 5/8	19-11/16	15- 1/2	13- 5/8	75.39
829-796F [*]	18X16	23	19-11/16	17-11/16	6	57.24
829-814F ^{7*}	20X4	58	21- 7/8	5- 3/16	45- 3/4	128.41
829-816F ^{6*}	20X6	54- 3/8	21- 7/8	7- 1/2	41- 1/8	131.05
829-818F ^{5*}	20X8	50- 1/8	21- 7/8	9- 5/8	35- 7/8	140.15
829-820F ^{4*}	20X10	46	21- 7/8	11-15/16	30- 3/4	137.53
829-822F ^{3*}	20X12	40- 1/4	21- 7/8	14- 1/8	24	127.28
829-824F ^{3*}	20X14	40- 1/4	21- 7/8	15- 1/2	23- 1/4	118.16
829-826F ^{2*}	20X16	33- 5/8	21- 7/8	17-11/16	15- 5/8	108.13
829-828F [*]	20X18	25- 1/2	21- 7/8	19- 7/8	6- 1/2	81.06
829-904F ^{8*}	24X4	71- 1/2	26- 1/16	5- 3/16	57- 1/4	229.74
829-906F ^{7*}	24X6	67- 7/8	26- 1/16	7- 1/2	52- 5/8	228.78
829-908F ^{6*}	24X8	63- 5/8	26- 1/16	9- 5/8	47- 3/8	228.25
829-910F ^{5*}	24X10	59- 1/2	26- 1/16	11-15/16	42- 1/4	219.32
829-912F ^{4*}	24X12	53- 3/4	26- 1/16	14- 1/8	35- 1/2	192.81
829-914F ^{4*}	24X14	53- 3/4	26- 1/16	15- 1/2	34- 3/4	210.21
829-916F ^{3*}	24X16	47- 1/8	26- 1/16	17-11/16	27- 1/8	187.81
829-918F ^{2*}	24X18	39	26- 1/16	19- 7/8	18	162.85
829-920F [*]	24X20	30- 5/8	26- 1/16	22- 1/16	8- 5/8	123.13

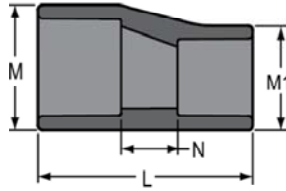
¹ Outlet-sized with Bushing

* Fabricated



Coupling - Eccentric Reducer

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-101FE*	3/4X1/2	3-7/16	1- 3/8	1- 1/8	1-7/16	.07
829-130FE*	1X1/2	4-1/16	1- 5/8	1- 1/8	1-13/16	.11
829-131FE*	1X3/4	4	1- 5/8	1-1/8	1- 3/4	.12
829-168FE*	1-1/4X1	4-1/2	2	1-11/16	1-3/4	.22
829-209FE ^{2*}	1-1/2X1/2	8	2- 1/4	1- 1/8	5-1/2	.33
829-210FE ^{2*}	1-1/2X3/4	7-15/16	2- 1/4	1- 3/8	5-7/16	.33
829-211FE*	1-1/2X1	5-5/16	2-1/4	1-11/16	2-9/16	.24
829-212FE*	1-1/2X1-1/4	4-9/16	2- 5/16	2- 1/16	1-9/16	.26
829-249FE*	2X1	6- 1/8	2- 3/4	1-11/16	3- 1/8	.38
829-250FE*	2X1-1/4	6- 1/8	2- 3/4	2- 1/16	2- 7/8	.39
829-251FE*	2X1-1/2	5-9/16	2- 3/4	2- 5/16	2-5/16	.44
829-289FE ^{2*}	2-1/2X1	10-3/8	3-5/16	1-11/16	7-1/8	.88
829-290FE ^{2*}	2-1/2X1-1/4	10-3/8	3- 5/16	2- 1/16	6-7/8	.90
829-291FE ^{2*}	2-1/2X1-1/2	9-13/16	3- 5/16	2- 5/16	6-5/16	.90
829-292FE*	2-1/2X2	6-5/8	3- 5/16	2-13/16	2-7/8	.68
829-335FE ^{2*}	3X1	11- 7/8	3-15/16	1-11/16	8- 3/8	1.11
829-336FE ^{2*}	3X1-1/4	11- 7/8	3-15/16	2- 1/16	8- 1/8	1.15
829-337FE ^{2*}	3X1-1/2	11-5/16	3-15/16	2- 5/16	7-9/16	1.21
829-338E	3X2	5-7/8	4-3/16	2-7/8	2-15/32	1.00
829-338FE*	3X2	8- 1/8	3-15/16	2-13/16	4- 1/8	1.00
829-339FE*	3X2-1/2	7- 1/4	4- 1/16	3- 7/16	3	1.11
829-417FE ^{3*}	4X1	17	5- 1/8	1-11/16	13- 1/2	2.37
829-418FE ^{3*}	4X1-1/4	17	5- 1/8	2- 1/16	13- 1/4	2.31
829-419FE ^{3*}	4X1-1/2	16-7/16	5- 1/8	2- 5/16	12-11/16	2.37
829-420FE ^{2*}	4X2	12-3/8	5- 1/8	2-13/16	8-5/8	2.62
829-421FE ^{2*}	4X2-1/2	12- 3/8	5- 1/8	3- 7/16	8- 1/8	2.40
829-422FE*	4X3	8- 3/4	5- 1/8	4- 1/8	4- 1/4	1.69
829-490FE*	5X4	10	6-1/4	5-3/16	4-3/4	2.75
829-528FE ^{3*}	6X2	20	7- 5/16	2-7/8	15-1/4	4.84
829-529FE ^{3*}	6X2-1/2	20	7- 5/16	3- 7/16	14- 3/4	4.94
829-530FE ^{2*}	6X3	16- 3/8	7- 5/16	4- 1/8	10- 7/8	4.57
829-532FE*	6X4	11- 1/8	7- 5/16	5- 3/16	5- 5/8	3.39
829-533FE*	6X5	11- 1/4	7- 3/8	6- 5/16	5	4.31
829-575FE ^{5*}	8X1	34-3/8	9-1/2	1-11/16	28-7/8	11.45
829-577FE ^{5*}	8X1-1/2	33-13/16	9-1/2	2-5/16	28-1/16	11.56
829-578FE ^{4*}	8X2	29-3/4	9-1/2	2-7/8	24	11.40
829-580FE ^{3*}	8X3	26- 1/8	9- 1/2	4- 1/8	19- 5/8	11.01
829-582FE ^{2*}	8X4	20- 7/8	9- 1/2	5- 3/16	14- 3/8	10.24
829-583FE ^{2*}	8X5	21	9- 1/2	6- 5/16	13- 3/4	10.77

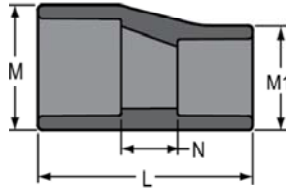
Schedule 80 PVC Technical
Schedule 80 Fittings



Coupling - Eccentric Reducer

(Continued)

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-585FE*	8X6	15- 1/4	9- 1/2	7- 1/2	7- 3/4	8.40
829-624FE ^{3*}	10X4	32	11- 3/4	5- 3/16	24- 1/2	21.03
829-625FE ^{3*}	10X5	32- 1/8	11- 3/4	6- 5/16	23- 7/8	22.82
829-626FE ^{2*}	10X6	26-3/8	11- 3/4	7- 1/2	17-7/8	18.61
829-628FE*	10X8	18- 1/16	11- 3/4	9- 5/8	8- 9/16	13.81
829-664FE ^{4*}	12X4	43- 1/2	13-15/16	5- 3/16	35	37.53
829-666FE ^{3*}	12X6	37- 7/8	13-15/16	7- 1/2	28- 3/8	36.64
829-668FE ^{2*}	12X8	29- 9/16	13-15/16	9- 5/8	19- 1/16	32.09
829-670FE*	12X10	20- 5/8	13-15/16	11-15/16	9- 1/8	23.62
829-696FE ^{3*}	14X6	41- 3/8	15- 3/16	7- 1/2	31- 1/8	41.01
829-698FE ^{2*}	14X8	33- 1/16	15- 3/16	9- 5/8	21-13/16	35.00
829-700FE*	14X10	24- 1/8	15- 3/16	11-15/16	11- 7/8	29.88
829-702FE*	14X12	20- 1/8	15- 3/8	14- 1/8	6- 7/8	30.11
829-756FE ^{4*}	16X6	54- 1/4	17- 1/2	7- 1/2	43	73.56
829-758FE ^{3*}	16X8	45-15/16	17- 1/2	9- 5/8	33-11/16	69.73
829-760FE ^{2*}	16X10	37	17- 1/2	11-15/16	23- 3/4	59.25
829-762FE ^{2*}	16X12	33	17- 1/2	14- 1/8	18- 3/4	64.09
829-764FE*	16X14	24- 5/8	17- 1/2	15- 1/2	9- 5/8	46.25
829-786FE ^{5*}	18X6	69- 1/4	19-11/16	7- 1/2	57	121.36
829-788FE ^{4*}	18X8	60-15/16	19-11/16	9- 5/8	47-11/16	121.91
829-790FE ^{3*}	18X10	52	19-11/16	11-15/16	37- 3/4	109.42
829-792FE ^{3*}	18X12	48	19-11/16	14- 1/8	32- 3/4	109.80
829-794FE ^{2*}	18X14	39- 5/8	19-11/16	15- 1/2	23- 5/8	97.05
829-796FE*	18X16	28- 5/8	19-11/16	17-11/16	11- 5/8	66.92

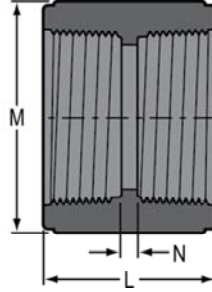
* Fabricated





Coupling

Fipt x Fipt

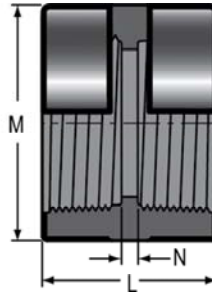


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-002	1/4	1-5/16	27/32	5/32	.02
830-003	3/8	1-15/32	1	5/16	.03
830-005	1/2	1-19/32	1-13/32	5/32	.06
830-007	3/4	1-11/16	1-17/32	1/8	.08
830-010	1	2- 3/32	1-15/16	1/8	.14
830-012	1-1/4	2-7/32	2- 9/32	3/16	.20
830-015	1-1/2	2-1/4	2- 5/8	7/32	.28
830-020	2	2- 7/32	3	7/32	.33
830-025	2-1/2	3-11/32	3-21/32	3/16	.67
830-030	3	3-17/32	4-13/32	11/16	1.12
830-040	4	3-21/32	5- 9/16	3/16	1.49
830-060F [*]	6	3- 3/4	7- 3/16	3/4	1.64
830-080F [*]	8	4- 1/2	9- 3/8	1- 1/16	2.84
830-100F [*]	10	5	11-9/16	1-1/8	4.91

* Fabricated

Coupling - Special Reinforced

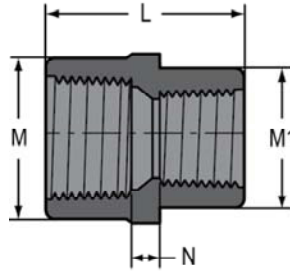
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-005SR	1/2	1-9/16	1-3/16	3/32	.06
830-007SR	3/4	1-19/32	1- 3/8	3/32	.07
830-010SR	1	1-15/16	1-11/16	5/32	.13
830-012SR	1-1/4	2- 1/16	2- 1/16	5/32	.18
830-015SR	1-1/2	2-3/16	2- 7/16	1/4	.27
830-020SR	2	2- 1/4	3	7/32	.40
830-030SR	3	3-17/32	4-9/32	11/16	1.25

Coupling - Reducer

Fipt x Fipt

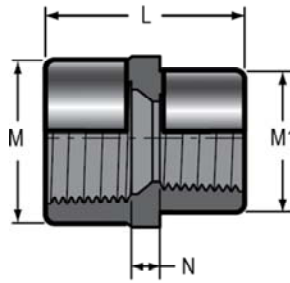


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-072 ¹	1/2X1/4	1-29/32	1-7/32	1-5/32	5/8	.07
830-073 ¹	1/2X3/8	1-15/16	1- 7/32	1-5/32	5/8	.06
830-101	3/4X1/2	1-11/16	1- 3/8	1- 7/32	1/4	.06
830-211 ¹	1-1/2X1	2- 7/8	2-3/88	2-11/32	1- 1/32	.33

¹ Sized with Bushing

Coupling - Special Reinforced Reducer

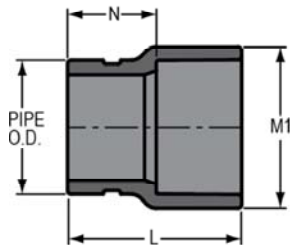
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-101SR	3/4X1/2	1-3/4	1- 3/8	1-3/16	1/4	.08
830-130SR	1X1/2	2-7/32	1-11/16	1-3/16	17/32	.16
830-131SR	1X3/4	2-3/8	1-11/16	1- 3/8	11/16	.16
830-168SR	1-1/4X1	2-11/16	2-1/16	1-11/16	13/16	.24
830-210SR	1-1/2X3/4	2- 7/8	2- 7/16	1- 3/8	1- 7/32	.29
830-211SR	1-1/2X1	2-7/8	2- 7/16	1-11/16	1-3/16	.34
830-212SR	1-1/2X1-1/4	2-27/32	2-7/16	2-1/16	15/16	.33
830-249SR	2X1	3- 3/16	3	1-11/16	1-5/16	.48
830-251SR	2X1-1/2	3-7/32	3	2- 7/16	1-5/16	.50

Grooved Coupling Adapter

Groove x Socket



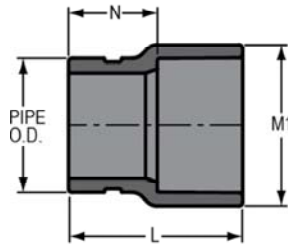
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-012	1-1/4	2-27/32	2-3/32	1- 9/16	.17
833-015	1-1/2	2-29/32	2-3/8	1- 1/2	.18
833-020	2	3- 1/16	2- 7/8	1- 9/16	.28
833-025	2-1/2	3-13/32	3- 1/2	1- 5/8	.49



Grooved Coupling Adapter

(Continued)

Groove x Socket

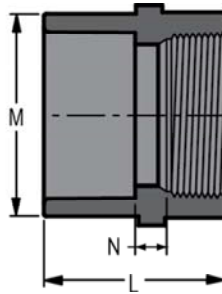


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-030	3	3- 9/16	4- 3/16	1-11/16	.68
833-040	4	4-1/2	5- 1/4	2-7/32	1.27
833-050F*	5	7	6- 5/16	4	2.48
833-060	6	5-11/32	7- 9/16	2-11/32	2.86
833-080F*	8	8- 3/16	9- 5/8	3-15/16	5.70
833-100F*	10	9- 7/8	11-15/16	4- 5/8	10.35
833-120F*	12	10- 7/8	14- 1/8	4- 5/8	16.21

* Fabricated

Female Adapter

Socket x Fipt

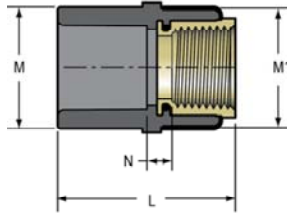


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
835-002	1/4	1-5/16	13/16	3/32	.02
835-003	3/8	1-7/16	1	3/32	.03
835-098	3/4X1/4	1-15/16	1-3/8	5/16	.05
835-005	1/2	1-11/16	1-3/16	3/32	.04
835-007	3/4	1-27/32	1-13/32	3/32	.06
835-010	1	2- 1/8	1-23/32	3/32	.11
835-012	1-1/4	2-9/32	2-1/16	3/32	.15
835-015	1-1/2	2- 1/2	2-5/16	1/8	.19
835-020	2	2-11/16	3	1/4	.40
835-025	2-1/2	3- 1/4	3- 9/16	7/32	.63
835-030	3	3-1/2	4-5/32	7/32	.74
835-040	4	3-15/16	5- 7/32	3/16	1.21
835-060	6	4-31/32	7-21/32	1/4	3.10
835-060F*	6	6-3/4	7-1/2	2	3.72
835-080	8	6- 5/32	9-23/32	1/4	5.35
835-080F*	8	8- 9/16	9- 5/8	2- 9/16	6.18
835-100F*	10	10- 1/4	11-15/16	3	10.50
835-120F*	12	11-1/2	14- 1/8	3	16.62

* Fabricated

Female Adapter - Transition

Socket x Fipt With Brass Thread Insert

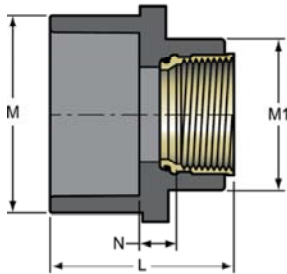


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-005BR	1/2	1-25/32	1- 5/32	1-3/16	11/32	.11
835-007BR	3/4	2	1-13/32	1- 3/8	11/32	.15
835-010BR	1	2- 7/32	1- 3/4	1-11/16	11/32	.24
835-012BR	1-1/4	2- 3/8	2- 3/32	2- 1/16	3/8	.34
835-015BR	1-1/2	2-17/32	2-13/32	2- 7/16	13/32	.45
835-020BR	2	2-25/32	2- 7/8	3- 3/16	7/16	1.02

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

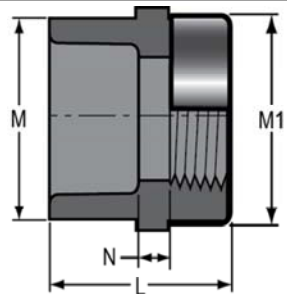


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-101BR	3/4X1/2	2- 1/32	1- 7/16	1- 3/16	15/32	.13
835-131BR	1X3/4	2-5/16	1-11/16	1-3/8	17/32	.18

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

Female Adapter - Special Reinforced

Socket x SR Fipt - Stainless Steel Collar



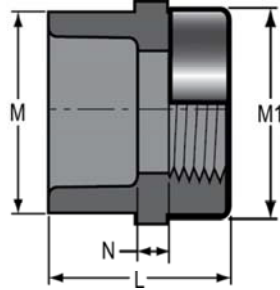
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-002SR	1/4	1-13/32	27/32	27/32	3/32	.02
835-003SR	3/8	1-15/32	15/16	31/32	3/32	.03
835-005SR	1/2	1-23/32	1- 5/32	1- 3/16	3/32	.06
835-007SR	3/4	1- 7/8	1-13/32	1- 3/8	3/32	.08
835-010SR	1	2-5/32	1-23/32	1-11/16	3/32	.12
835-012SR	1-1/4	2- 5/16	2- 3/32	2- 1/16	3/32	.18
835-015SR	1-1/2	2- 7/16	2-13/32	2- 7/16	3/32	.26
835-020SR	2	2-23/32	3	3- 1/32	1/4	.42



Female Adapter - Special Reinforced

Socket x SR Fipt - Stainless Steel Collar

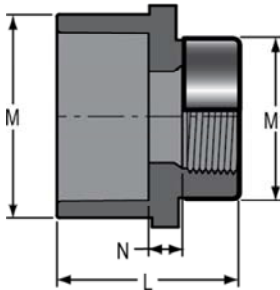
(Continued)



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-025SR	2-1/2	3-9/32	3- 9/16	3- 9/16	3/16	.67
835-030SR	3	3- 1/2	4- 1/4	4- 9/32	3/32	.96
835-040SR	4	3-11/16	5- 7/32	5-7/32	1/4	1.28
835-060SR	6	4-31/32	7-21/32	7-21/32	1/4	3.25

Female Adapter - Special Reinforced Reducing

Socket x SR Fipt - Stainless Steel Collar

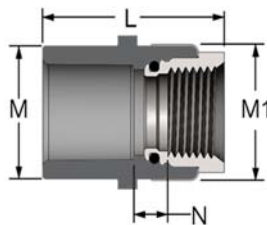


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-074SR	1/2X3/4	1-23/32	1- 3/16	1- 3/8	3/32	.07
835-098SR	3/4X1/4	1-31/32	1-13/32	27/32	11/32	.06
835-101SR	3/4X1/2	1-27/32	1- 3/8	1- 3/16	3/32	.07
835-102SR	3/4X1	2-1/32	1-13/32	1-11/16	3/32	.12
835-130SR	1X1/2	2-1/32	1-11/16	1- 3/16	5/32	.10
835-131SR	1X3/4	2- 3/32	1- 3/4	1- 3/8	1/4	.12

Female Adapter - Stainless Steel Transition

Socket x Fipt With 316 Stainless Thread Insert

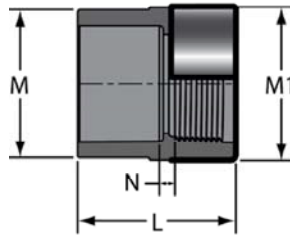
NSF® Certified Lead Free



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-005SS	1/2	1-25/32	1-5/32	1-3/16	11/32	.10
835-007SS	3/4	2	1-13/32	1-3/8	13/32	.14
835-010SS	1	2-1/4	1-23/32	1-11/16	15/32	.24
835-012SS	1-1/4	2-3/8	2-3/32	2-1/16	3/8	.28
835-015SS	1-1/2	2-9/16	2-3/8	2-7/16	3/8	.64
835-020SS	2	2-11/16	2-7/8	3	7/16	.54

Female Adapter - Encapsulated Special Reinforced

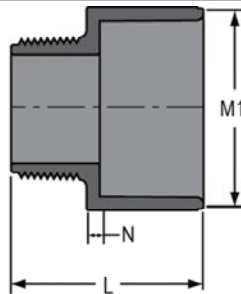
Socket x ESR Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-002ESR	1/4	1- 1/2	27/32	29/32	3/32	.03
835-003ESR	3/8	1-17/32	15/16	1- 1/32	3/32	.03
835-005ESR	1/2	1-27/32	1-5/32	1- 9/32	3/32	.07
835-007ESR	3/4	1-31/32	1-13/32	1-15/32	3/32	.09
835-010ESR	1	2- 1/4	1-23/32	1-23/32	3/32	.14
835-012ESR	1-1/4	2- 7/16	2-3/32	2- 5/32	1/8	.20
835-015ESR	1-1/2	2- 9/16	2-13/32	2- 1/2	7/32	.29
835-020ESR	2	2-27/32	3	3- 3/32	1/4	.46

Male Adapter

Mipt x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-053	3/8X1/2	1-11/16	1- 3/16	7/32	.03
836-005	1/2	1-23/32	1-5/16	7/32	.03
836-007	3/4	1-7/8	1-7/16	7/32	.06
836-102	3/4X1	2- 9/32	1- 3/4	17/32	.09
836-131	1X3/4	2- 1/16	1-13/32	1/4	.06
836-010	1	2- 5/32	1-23/32	7/32	.09
836-012	1-1/4	2-17/32	2-3/32	9/32	.14
836-015	1-1/2	2-11/16	2- 3/8	9/32	.18
836-251 ¹	2X1-1/2	3-1/16	2-29/32	19/32	.42
836-020	2	2- 7/8	2- 7/8	5/16	.28
836-025	2-1/2	3-11/16	3-17/32	11/32	.52
836-030	3	3-29/32	4-7/32	3/8	.74
836-040	4	4-13/32	5- 5/16	13/32	1.14
836-050F [*]	5	6	6- 5/16	1- 5/8	2.07
836-060	6	5- 1/2	7- 9/16	19/32	2.88
836-080F [*]	8	8- 3/16	9- 5/8	2- 3/16	7.45
836-100F [*]	10	10- 3/8	11-15/16	3- 3/16	12.34
836-120F [*]	12	11- 1/8	14- 1/8	2- 3/4	21.72

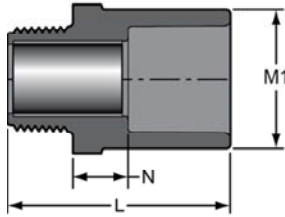
¹ Sized With Bushing

^{*} Fabricated



Male Adapter - Internal Reinforced

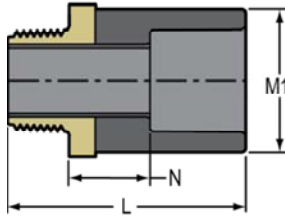
Mipt x Socket - Stainless Steel Sleeve
NSF® Certified Lead Free



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005R	1/2	2-1/8	1-3/16	9/16	.05
836-007R	3/4	2- 1/4	1-13/32	9/16	.08
836-010R	1	2-21/32	1-23/32	21/32	.14
836-012R	1-1/4	2-15/16	2-3/32	21/32	.16
836-015R	1-1/2	3-3/16	2-3/8	3/4	.25
836-020R	2	3-11/32	2-29/32	3/4	.28

Male Adapter - PVC Lined Brass Transition

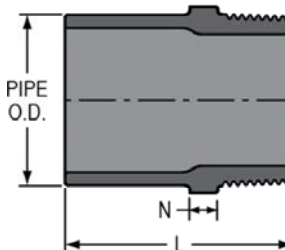
Brass Mipt x Socket
NSF® Certified Lead Free



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005BR	1/2	2-13/32	1- 9/32	1-3/16	.19
836-007BR	3/4	2-17/32	1-13/32	13/16	.25
836-010BR	1	2-15/16	1-23/32	29/32	.42
836-012BR	1-1/4	3- 1/8	2- 3/32	31/32	.65
836-015BR	1-1/2	3- 9/32	2-11/32	31/32	.79
836-020BR	2	3- 7/16	2-27/32	1	1.05

Male Spigot Adapter

Spigot x Mipt

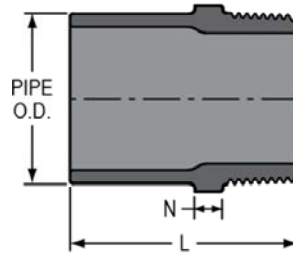


Part Number	Size	L	N	Approx. Wt. (Lbs.)
861-005	1/2	1-13/16	1/4	.02
861-007	3/4	1-31/32	1/4	.04
861-010	1	2- 3/32	1/4	.07
861-131	1X3/4	2	1/4	.06
861-012	1-1/4	2- 9/32	9/32	.11
861-015	1-1/2	2-7/16	5/16	.14

Male Spigot Adapter

Spigot x Mipt

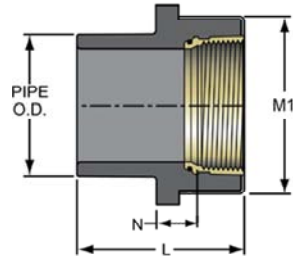
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Part Number	Size	L	N	Approx. Wt. (Lbs.)
861-020	2	2-11/16	3/8	.22

Female Spigot Adapter - Brass Transition

Spigot x Fipt With Brass Thread Insert

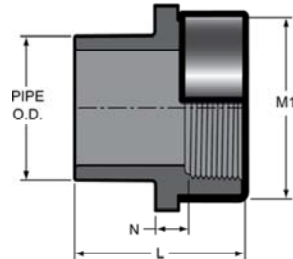


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-005BR	1/2	1-29/32	1- 3/16	1/2	.11
878-007BR	3/4	2- 5/32	1- 3/8	1/2	.15
878-010BR	1	2- 9/32	1-11/16	7/16	.22

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

Female Spigot Adapter - Special Reinforced

Spigot x SR Fipt - Stainless Steel Collar

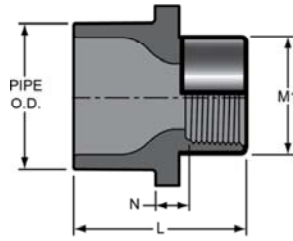


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-005SR	1/2	1- 3/4	1- 3/16	1/8	.05
878-007SR	3/4	1-15/16	1- 3/8	3/16	.07
878-010SR	1	2- 1/4	1-23/32	7/32	.11
878-012SR	1-1/4	2-15/32	2- 1/16	1/4	.17
878-015SR	1-1/2	2-21/32	2- 7/16	9/32	.24
878-020SR	2	2-13/16	3	9/32	.37
878-030SR	3	3-27/32	4- 9/32	5/16	.91
878-040SR	4	4- 3/8	5- 1/4	5/8	1.36



Female Spigot Adapter - Special Reinforced Reducing

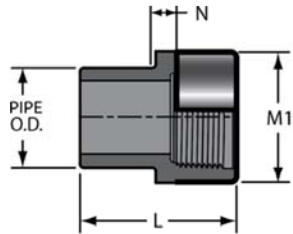
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-072SR	1/2X1/4	1-13/32	27/32	1/8	.02
878-098SR	3/4X1/4	1-27/32	27/32	7/32	.05
878-128SR	1X1/4	2- 3/8	27/32	21/32	.08

Female Spigot Adapter - Encapsulated Special Reinforced, Spigot

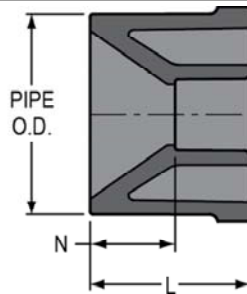
Spigot x ESR Fipt



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
878-005ESR	1/2	1- 7/8	1- 9/32	1/8	.06
878-007ESR	3/4	2- 1/16	1-15/32	5/32	.08
878-010ESR	1	2- 3/8	1-25/32	7/32	.12
878-012ESR	1-1/4	2-9/16	2- 5/32	1/4	.19
878-015ESR	1-1/2	2-25/32	2- 1/2	9/32	.27
878-020ESR	2	2-29/32	3- 3/32	9/32	.40

Reducer Bushing Flush Style

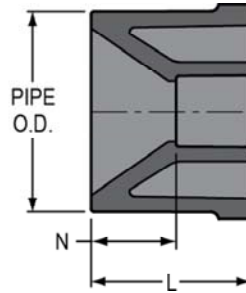
Spigot x Socket



Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-052	3/8X1/4	31/32	5/16	.02
837-072	1/2X1/4	1- 3/32	13/32	.01
837-073	1/2X3/8	1- 1/8	11/32	.01
837-101	3/4X1/2	1- 7/32	11/32	.02
837-129¹	1X3/8	1-9/16	3/4	.06
837-130	1X1/2	1-5/16	7/16	.05
837-131	1X3/4	1-11/32	5/16	.03
837-166	1-1/4X1/2	1- 1/2	5/8	.11
837-167	1-1/4X3/4	1- 1/2	1/2	.09

Reducer Bushing Flush Style

Spigot x Socket



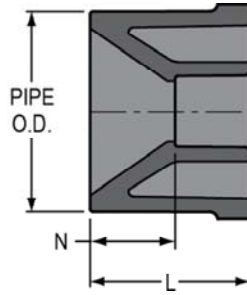
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Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-168	1-1/4X1	1-1/2	3/8	.06
837-209	1-1/2X1/2	1-23/32	13/16	.14
837-210	1-1/2X3/4	1- 5/8	5/8	.15
837-211	1-1/2X1	1-5/8	1/2	.12
837-212	1-1/2X1-1/4	1-5/8	3/8	.05
837-247	2X1/2	1-3/4	7/8	.25
837-248	2X3/4	1-23/32	23/32	.23
837-249	2X1	1-3/4	5/8	.23
837-250	2X1-1/4	1-23/32	7/16	.19
837-251	2X1-1/2	1-23/32	9/32	.14
837-287 ¹	2-1/2X1/2	2-1/4	1-11/32	.46
837-288 ¹	2-1/2X3/4	2-1/4	1-1/4	.44
837-289	2-1/2X1	2- 1/32	29/32	.41
837-290	2-1/2X1-1/4	2-1/8	7/8	.44
837-291	2-1/2X1-1/2	2- 5/32	3/4	.37
837-292	2-1/2X2	2- 1/16	17/32	.23
837-333	3X1/2	2-3/16	1-5/16	.61
837-334 ¹	3X3/4	2-7/16	1-7/16	.62
837-335	3X1	2-3/16	1-1/16	.59
837-336	3X1-1/4	2- 1/4	1	.62
837-337	3X1-1/2	2- 9/32	7/8	.63
837-338	3X2	2-7/32	11/16	.60
837-339	3X2-1/2	2-11/32	9/32	.37
837-415 ¹	4X1/2	2-7/8	2	1.37
837-416 ¹	4X3/4	2-13/16	1-13/16	1.35
837-417 ¹	4X1	2-29/32	1-3/4	1.35
837-418 ¹	4X1-1/4	2-23/32	1-9/16	1.07
837-419	4X1-1/2	2-9/16	1- 3/16	1.01
837-420	4X2	2-21/32	1-1/8	1.11
837-421	4X2-1/2	2-17/32	25/32	1.01
837-422	4X3	2- 9/16	11/16	.81
837-486 ¹	5X2	3-11/32	1-27/32	2.42
837-488 ¹	5X3	3-9/32	1-13/32	2.12
837-490	5X4	2-31/32	23/32	1.31
837-490F [*]	5X4	3	3/4	1.25
837-524 ¹	6X3/4	3-3/4	2-3/4	3.11
837-525 ¹	6X1	3-13/16	2-11/16	3.11
837-526 ¹	6X1-1/4	3-3/4	2-1/2	3.06
837-527 ¹	6X1-1/2	3- 3/4	2-11/32	3.01
837-528	6X2	3-1/2	2	2.87
837-529	6X2-1/2	3-7/8	2-1/8	3.37
837-530	6X3	3-1/2	1-5/8	2.93
837-532	6X4	3-1/2	1- 1/4	2.94



Reducer Bushing Flush Style

Spigot x Socket

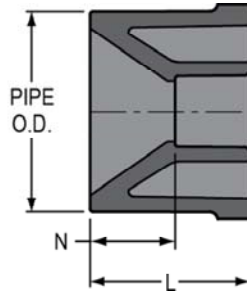


(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-533F*	6X5	3	7/16	1.54
837-534	6X5	3-17/32	7/8	1.94
837-577 ¹	8X1-1/2	5-1/8	3-3/4	6.88
837-578 ¹	8X2	4-15/16	3- 3/8	6.74
837-580 ¹	8X3	4-13/16	2-15/16	6.44
837-582 ¹	8X4	4- 1/2	2- 1/4	5.62
837-583 ¹	8X5	4-29/32		7.06
837-583F*	8X5	4-7/16	1-3/4	6.66
837-585	8X6	4- 3/8	1- 3/8	5.12
837-621 ¹	10X2	5-13/16	4-5/16	13.18
837-622 ¹	10X2-1/2	6-5/32	4-3/8	13.61
837-623 ¹	10X3	5-13/16	3-15/16	13.24
837-624 ¹	10X4	5-27/32	3-9/16	13.25
837-625F*	10X5	5-5/16	2-11/16	11.85
837-626	10X6	5- 5/16	2-5/16	10.30
837-628	10X8	5-5/16	1-5/16	10.70
837-628F*	10X8	5-1/4	1-1/4	8.12
837-663 ¹	12X3	7-5/32	5-9/32	21.72
837-664 ¹	12X4	6-13/16	4-9/16	20.91
837-666 ¹	12X6	6-23/32	3-23/32	20.40
837-666F ¹ *	12X6	6-3/8	3-5/16	21.34
837-668	12X8	6-5/16	2-5/16	15.28
837-668F ¹ *	12X8	6-3/8	2-5/16	21.74
837-670	12X10	6-5/16	1-5/16	11.69
837-670F*	12X10	6	1	11.03
837-694F*	14X4	7-13/16	5-13/16	29.85
837-696F*	14X6	7- 3/4	4-11/16	25.94
837-698F*	14X8	7-5/16	3-5/16	24.64
837-700F*	14X10	7-5/16	2-5/16	22.30
837-702F*	14X12	7	1	9.36
837-754F*	16X4	8-13/16	6-13/16	51.58
837-756F*	16X6	8- 3/4	5-11/16	48.26
837-758F*	16X8	8-5/16	4-5/16	43.14
837-760F*	16X10	8-5/16	3-5/16	41.03
837-762F*	16X12	8	2	27.86
837-764F*	16X14	8	1	18.50
837-786F*	18X6	9-3/4	6-11/16	71.93
837-788F*	18X8	9-5/16	5-5/16	66.81
837-790F*	18X10	9-5/16	4-5/16	63.22
837-792F*	18X12	9	3	51.82

Reducer Bushing Flush Style

Spigot x Socket



(Continued)

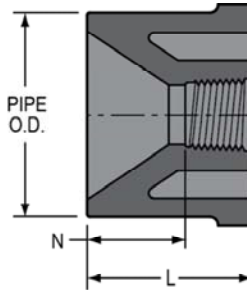
Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-794F*	18X14	9	2	42.16
837-796F*	18X16	9	1	23.66
837-816F*	20X6	9-3/4	6-11/16	102.75
837-818F*	20X8	10-5/16	6-5/16	97.63
837-820F*	20X10	10-5/16	5-5/16	94.04
837-822F*	20X12	10	4	82.64
837-824F*	20X14	10	3	72.98
837-826F*	20X16	10	2	54.48
837-828F*	20X18	10	1	30.81
837-906F*	24X6	12-3/4	9-11/16	186.99
837-908F*	24X8	12-5/16	8-5/16	183.94
837-910F*	24X10	12-5/16	7-5/16	174.52
837-912F*	24X12	12	6	167.17
837-914F*	24X14	12	5	153.76
837-916F*	24X16	12	4	134.96
837-918F*	24X18	12	3	112.53
837-920F*	24X20	12	2	80.48

¹ Sized with Bushing

* Fabricated

Reducer Bushing Flush Style

Spigot x Fipt

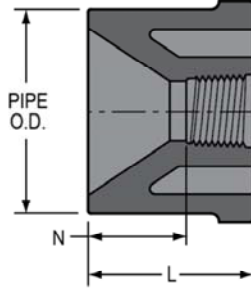


Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-052	3/8X1/4	15/16	3/8	.01
838-071	1/2X1/8	1	9/16	.01
838-072	1/2X1/4	1	13/32	.02
838-073	1/2X3/8	1- 3/32	17/32	.01
838-098	3/4X1/4	1- 7/32	5/8	.03
838-099	3/4X3/8	1- 1/4	21/32	.03
838-101	3/4X1/2	1-7/32	1/2	.02
838-127	1X1/8	1-13/32	15/32	.07
838-128	1X1/4	1-13/32	25/32	.06
838-129	1X3/8	1-13/32	13/32	.06
838-130	1X1/2	1-11/32	19/32	.06



**Reducer Bushing
Flush Style**

Spigot x Fipt

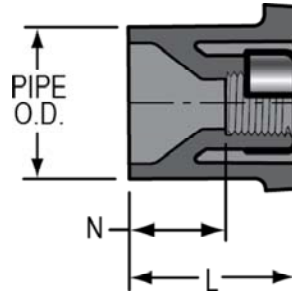


(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-131	1X3/4	1- 3/8	21/32	.04
838-166	1-1/4X1/2	1-15/32	23/32	.11
838-167	1-1/4X3/4	1-15/32	3/4	.09
838-168	1-1/4X1	1-7/16	1/2	.07
838-206	1-1/2X1/8	1-11/16	1- 1/4	.14
838-207	1-1/2X1/4	1- 9/16	15/16	.14
838-209	1-1/2X1/2	1-23/32	1	.18
838-210	1-1/2X3/4	1-9/16	13/16	.13
838-211	1-1/2X1	1-23/32	13/16	.14
838-212	1-1/2X1-1/4	1- 1/2	9/16	.09
838-247	2X1/2	1-29/32	1-3/16	.27
838-248	2X3/4	1-29/32	1- 5/32	.27
838-249	2X1	1-7/8	1	.28
838-250	2X1-1/4	1-19/32	21/32	.18
838-251	2X1-1/2	1- 9/16	9/16	.14
838-287	2-1/2X1/2	2- 3/8	1-21/32	.41
838-288	2-1/2X3/4	2- 7/16	1- 5/8	.49
838-289	2-1/2X1	2-1/8	1-7/32	.38
838-290	2-1/2X1-1/4	2-3/8	1-7/16	.42
838-291	2-1/2X1-1/2	2- 3/8	1-13/32	.47
838-292	2-1/2X2	2-1/32	1- 1/16	.25
838-334	3X3/4	2- 9/32	1-17/32	.59
838-335	3X1	2-1/4	1-3/8	.66
838-336	3X1-1/4	2-9/32	1-11/32	.58
838-337	3X1-1/2	2-9/32	1-5/16	.71
838-338	3X2	2- 3/16	1- 7/32	.55
838-339	3X2-1/2	2- 3/8	13/16	.45
838-419	4X1-1/2	2-27/32	1-29/32	1.25
838-420	4X2	2-21/32	1-21/32	1.10
838-421	4X2-1/2	2-21/32	1-5/32	1.07
838-422	4X3	2- 5/8	1-1/32	.86
838-528	6X2	3-1/2	2- 1/2	3.05
838-530	6X3	3-17/32	2- 1/8	3.06
838-532	6X4	3-17/32	2- 1/32	3.07

Special Reinforced Reducer Bushing Flush Style

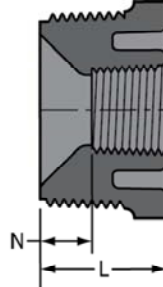
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-128SR	1X1/4	1-13/32	25/32	.07
838-207SR	1-1/2X1/4	1- 9/16	15/16	.15
838-166SR	1-1/4X1/2	1-1/2	3/4	.11
838-209SR	1-1/2X1/2	1-23/32	1	.17
838-210SR	1-1/2X3/4	1-9/16	13/16	.14
838-247SR	2X1/2	1-29/32	1-3/16	.28
838-248SR	2X3/4	1-29/32	1- 5/32	.28
838-249SR	2X1	1-29/32	1	.29
838-334SR	3X3/4	2- 9/32	1-17/32	.58
838-335SR	3X1	2-9/32	1-11/32	.65
838-336SR	3X1-1/4	2-9/32	1-11/32	.59
838-337SR	3X1-1/2	2-9/32	1-5/16	.61
838-528SR	6X2	3-1/2	2- 9/16	3.01
838-530SR	6X3	3-9/32	1-7/8	2.93
838-532SR	6X4	3-1/2	2-1/32	3.17

Reducer Bushing (T.T.) Flush Style

Mipt x Fipt

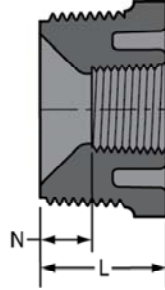


Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-041	1/4X1/8	23/32	5/16	.00
839-052	3/8X1/4	25/32	3/16	.01
839-072	1/2X1/4	7/8	5/16	.01
839-073	1/2X3/8	15/16	11/32	.01
839-098	3/4X1/4	1	7/16	.03
839-099	3/4X3/8	1	7/16	.02
839-101	3/4X1/2	15/16	3/16	.01
839-128	1X1/4	1- 1/8	17/32	.04
839-129	1X3/8	1- 7/32	5/8	.05
839-130	1X1/2	1- 1/16	11/32	.04
839-131	1X3/4	1- 1/8	3/8	.03
839-166	1-1/4X1/2	1-9/32	9/16	.09
839-167	1-1/4X3/4	1- 9/32	9/16	.08
839-168	1-1/4X1	1- 3/16	9/32	.06
839-209	1-1/2X1/2	1-11/32	19/32	.12
839-210	1-1/2X3/4	1-11/32	19/32	.12



Reducer Bushing (T.T.) Flush Style

Mipt x Fipt

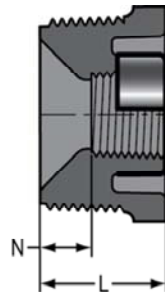


(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-211	1-1/2X1	1-11/32	7/16	.10
839-212	1-1/2X1-1/4	1-11/32	13/32	.06
839-247	2X1/2	1- 3/8	21/32	.15
839-248	2X3/4	1- 3/8	5/8	.16
839-249	2X1	1- 3/8	15/32	.18
839-250	2X1-1/4	1- 3/8	7/16	.15
839-251	2X1-1/2	1- 3/8	13/32	.11
839-292	2-1/2X2	1-7/8	7/8	.21
839-337	3X1-1/2	1-15/16	15/16	.49
839-338	3X2	1-15/16	15/16	.44
839-339	3X2-1/2	1-15/16	5/8	.37
839-420	4X2	2- 1/8	1- 1/8	.82
839-422	4X3	2- 1/8	1/2	.71
839-532	6X4	3-17/32	1- 13/16	2.53

Reducer Bushing - Special Reinforced

Mipt x SR Fipt - Stainless Steel Collar

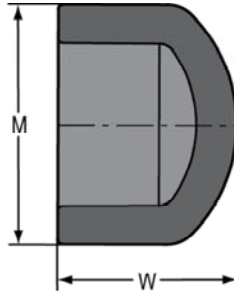


Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-128SR	1X1/4	1- 1/8	9/16	.05
839-209SR	1-1/2X1/2	1-11/32	19/32	.12
839-210SR	1-1/2X3/4	1-11/32	19/32	.12
839-247SR	2X1/2	1- 3/8	5/8	.17
839-248SR	2X3/4	1- 3/8	5/8	.19
839-249SR	2X1	1- 3/8	15/32	.19
839-420SR	4X2	2- 1/8	1- 1/8	.87

Schedule 80 PVC Technical
Schedule 80 Fittings



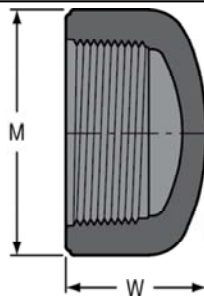
Cap
 Socket



Part Number	Size	M	W	Approx. Wt. (Lbs.)
847-002	1/4	13/16	29/32	.01
847-003	3/8	31/32	1- 1/8	.02
847-005	1/2	1- 3/16	1- 7/32	.03
847-007	3/4	1- 3/8	1-13/32	.04
847-010	1	1-11/16	1- 5/8	.07
847-012	1-1/4	2- 3/32	1-27/32	.12
847-015	1-1/2	2-11/32	2	.16
847-020	2	2-27/32	2-9/32	.25
847-025	2-1/2	3-17/32	2- 5/8	.48
847-030	3	4- 5/32	3- 1/32	.70
847-040	4	5-7/32	3-15/16	1.30
847-050F*	5	6- 1/2	4- 7/16	1.85
847-060	6	7-9/16	5-15/32	3.30
847-080	8	9-23/32	7-5/32	6.63
847-100F*	10	12- 1/4	5-15/16	7.89
847-120F*	12	14- 1/4	7- 1/8	11.29
847-140F*	14	15- 1/2	7- 3/8	13.19
847-160F*	16	17- 7/8	9	24.27
847-180F*	18	19-15/16	9- 1/4	32.09
847-200F*	20	22	14-1/4	49.04
847-240F*	24	26- 3/8	17- 1/4	83.70

* Fabricated

Cap
 Fipt

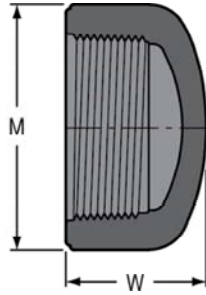


Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-002	1/4	13/16	13/16	.01
848-003	3/8	15/16	7/8	.01
848-005	1/2	1- 3/16	1- 1/16	.03
848-007	3/4	1- 3/8	1-3/32	.04
848-010	1	1-27/32	1- 7/16	.10
848-012	1-1/4	2- 7/32	1-17/32	.14
848-015	1-1/2	2-17/32	1-19/32	.19
848-020	2	3-1/16	1-13/16	.28

**Cap**

Fipt

(Continued)

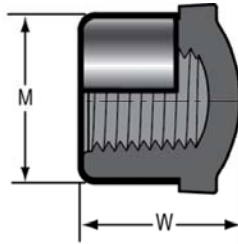


Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-025	2-1/2	3-11/16	2-15/32	.53
848-030	3	4- 3/8	2- 7/16	.75
848-040	4	5-17/32	3	1.28
848-060F*	6	7- 3/16	4- 3/8	2.07
848-080F*	8	9- 3/8	4- 3/8	3.53
848-100F*	10	11-7/8	5-3/4	5.94
848-120F*	12	13-13/16	6-3/16	10.24

* Fabricated

Cap - Special Reinforced

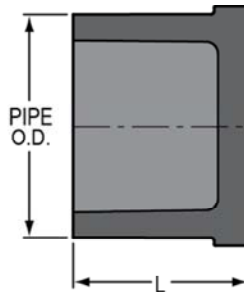
SR Fipt - Stainless Steel Collar



Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-002SR	1/4	27/32	15/16	.01
848-003SR	3/8	31/32	29/32	.02
848-005SR	1/2	1- 3/16	1-3/32	.04
848-007SR	3/4	1- 3/8	1- 3/32	.05
848-030SR	3	4- 9/32	2- 7/16	.79

Plug

Spigot



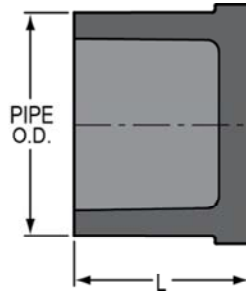
Part Number	Size	L	Approx. Wt. (Lbs.)
849-005	1/2	1-5/32	.02
849-007	3/4	1- 1/4	.03
849-010	1	1- 3/8	.06
849-012	1-1/4	1-17/32	.09

Schedule 80 PVC Technical
Schedule 80 Fittings



Plug
 Spigot

(Continued)



Part Number	Size	L	Approx. Wt. (Lbs.)
849-015	1-1/2	1-11/16	.13
849-020	2	1- 7/8	.21
849-025F ^{4*}	2-1/2	5- 3/8	1.03
849-030F ^{4*}	3	5-7/8	1.51
849-040F ^{4*}	4	6-15/16	2.37
849-060F ^{4*}	6	9-5/8	6.71
849-080F ^{4*}	8	12-3/16	12.72
849-100F ^{4*}	10	12-1/4	19.14
849-120F ^{4*}	12	14-1/8	26.34
849-140F ^{4*}	14	15-3/8	33.82
849-160CF ^{4*}	16	18	57.90
849-180F ^{4*}	18	19-1/4	74.02
849-200F ^{4*}	20	25-1/4	120.87
849-240F ^{4*}	24	30-1/4	205.01

⁴ Plug fabricated using Cap and pipe spigot.

* Fabricated

Plug
 Mipt

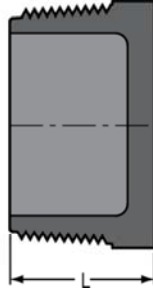


Part Number	Size	L	Approx. Wt. (Lbs.)
850-002	1/4	23/32	.01
850-003	3/8	3/4	.01
850-005	1/2	27/32	.01
850-007	3/4	7/8	.02
850-010	1	1- 1/16	.04
850-012	1-1/4	1-5/16	.07
850-015	1-1/2	1-3/8	.09
850-020	2	1- 3/8	.15
850-025	2-1/2	1-13/16	.28
850-030	3	1- 7/8	.41
850-040	4	2-1/8	.76
850-060	6	2- 3/32	1.73
850-080	8	2-13/32	3.25
850-080F ^{4*}	8	9-11/16	11.43

**Plug**

Mipt

(Continued)



Part Number	Size	L	Approx. Wt. (Lbs.)
850-100F ^{4*}	10	8- 7/16	12.33
850-120F ^{4*}	12	10-5/8	21.38

⁴ Plug fabricated using Cap and threaded pipe.

* Fabricated

Wye

Socket x Socket x Socket

1/2" - 2" - 235 psi Maximum Internal Pressure

Rating @ 73°F (23°C) 2-1/2" - 6" - 150 psi

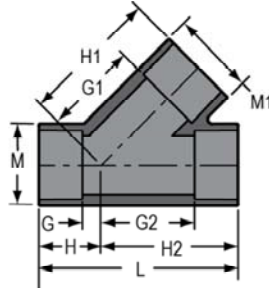
Maximum Internal Pressure Rating @ 73°F (23°

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.)
875-005	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
875-007	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	.18
875-010	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	.30
875-012	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	.50
875-015	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	.68
875-020	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	1.20
875-025	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	2.00
875-030	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	2.99
875-040	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	5.16
875-050F ^{2*}	5	5- 1/8	10-11/16	10-11/16	8- 1/8	13-11/16	13-11/16	21-13/16	6- 5/16	6- 5/16	16.29
875-060	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	12.15
875-080	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	25.85
875-080F ^{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	36.27
875-100F ^{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	64.85
875-120F ^{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	97.24
875-140F ^{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	139.07
875-160F ^{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	187.13
875-180F ^{2*}	18	10	29- 3/8	28	19	38- 3/8	37	56	19- 7/8	19- 7/8	255.22
875-200F ^{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	350.00
875-240F ^{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	630.86

¹ Sized with Bushing² Fiberglass reinforced.

* Fabricated

Schedule 80 PVC Technical
Schedule 80 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

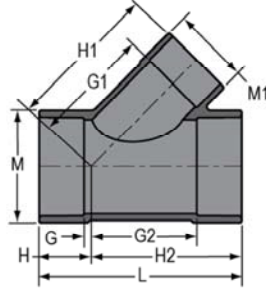
Maximum Internal Pressure Rating @ 73°F (23°

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.)
875-131 ¹	1X3/4	11/32	2-1/16	1-3/4	1-15/32	3-3/32	2-7/8	4-11/32	1-11/16	1-11/16	.34
875-167 ¹	1-1/4X3/4	13/32	2-11/16	2-3/16	1-21/32	3-23/32	3-15/32	5- 1/8	2- 1/16	2- 1/16	.59
875-168 ¹	1-1/4X1	13/32	2-9/16	2-3/16	1-21/32	3-23/32	3-15/32	5- 1/8	2- 1/16	2- 1/16	.56
875-210 ¹	1-1/2X3/4	15/32	3-7/32	2-19/32	1-29/32	4-7/32	3-31/32	5-13/16	2-11/32	2-11/32	.84
875-211 ¹	1-1/2X1	15/32	3-3/32	2-19/32	1-27/32	4-7/32	3-31/32	5-13/16	2-11/32	2-11/32	.81
875-212 ¹	1-1/2X1-1/4	15/32	2-15/16	2-19/32	1-27/32	4-7/32	3-31/32	5-13/16	2-11/32	2-11/32	.74
875-248 ¹	2X3/4	5/8	3-15/16	3- 7/32	2- 5/32	4-15/16	4-27/32	6- 7/8	2- 7/8	2- 7/8	1.44
875-250 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	1.39
875-291 ¹	2-1/2X1-1/2	27/32	4-23/32	3-31/32	2-19/32	6-1/8	5-23/32	8-5/16	3-1/2	3-1/2	2.37
875-292 ¹	2-1/2X2-1/2X2	27/32	4-1/2	3-31/32	2-19/32	6	5-23/32	8-5/16	3-1/2	3-1/2	2.23
875-335 ¹	3X1	31/32	5-13/16	4-3/4	2-7/8	6-31/32	6-5/8	9-1/2	4- 3/16	4- 3/16	3.58
875-336 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	3.62
875-337 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	3.62
875-338 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	3.59
875-339 ¹	3X2-1/2	7/8	4- 1/8	4-21/32	2- 3/4	6- 3/4	6	8- 3/4	4- 3/16	4- 3/16	3.36
875-419 ¹	4X1-1/2	1-3/32	5-3/16	4-15/32	2-5/32	6-19/32	4-15/32	8-29/32	5-1/4	2-7/8	3.18
875-420	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	3.03
875-420F ^{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	6.92
875-421F ^{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	8.63
875-422	4X3	5/8	5- 7/16	5-9/32	2-7/8	7- 5/16	7-1/2	10-3/8	5- 1/4	4-3/16	4.07
875-528 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	9.84
875-528F ^{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	10.90
875-530 ¹	6X3	0	8-9/32	6-11/16	3	10-3/16	9-11/16	12-11/16	7- 9/16	5-7/16	9.53
875-530F ^{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	13.92
875-532	6X4	0	7-5/8	6-11/16	3	9-7/8	9-11/16	12-11/16	7- 9/16	5- 7/16	8.72
875-578 ¹	8X2	15/32	10-3/16	8-1/4	3-17/32	11-23/32	12-1/4	15-25/32	9-23/32	5-1/4	15.43
875-578F ^{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	17.95
875-579F ^{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	18.94
875-580F ^{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	21.91
875-582	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	14.31
875-582F ^{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	23.96
875-585 ¹	8X6	2-1/32	12-21/32	11-9/32	6-1/32	15-11/16	15-9/32	21-5/16	9-3/4	9-3/4	30.97
875-585F ^{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	32.96
875-621F ^{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	27.04
875-622F ^{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	25.74
875-623 ¹	10X3	3/16	13-17/32	11	4-13/16	15-7/16	16	20-13/16	12-1/16	7-5/8	31.14
875-623F ^{2*}	10X3	3/4	13	11- 1/2	6	15- 1/4	16- 3/4	22- 3/4	11-15/16	4- 1/8	31.80
875-624F ^{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	34.36
875-625F ^{2*}	10X5	3	14-1/16	13-3/4	8-1/4	17-1/16	19	27-1/4	11-15/16	6-5/16	39.20
875-626	10X6	-3/16	11-29/32	11	4-13/16	14-15/16	16	20-13/16	12- 1/16	7-5/8	28.20



Schedule 80 PVC Technical Schedule 80 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

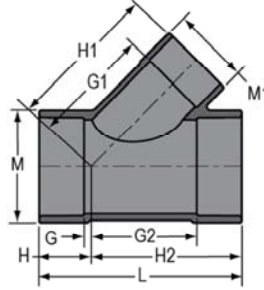
Maximum Internal Pressure Rating @ 73°F (23°

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.)
875-626F 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	42.68
875-628	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	35.44
875-628F 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	55.18
875-661F 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	37.57
875-662F 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	37.26
875-663F 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	43.39
875-664F 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	49.09
875-666F 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	60.92
875-668F 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	71.03
875-670F 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	83.70
875-694F 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	63.85
875-696F ²	14X6	2	17- 3/8	16	9	20- 5/8	23	32	15- 1/2	7- 1/2	70.63
875-698F 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	90.50
875-700F 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	104.29
875-702F 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	123.89
875-754F 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	95.48
875-756F 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	99.22
875-758F 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	113.88
875-760F 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	127.70
875-762F 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	142.79
875-764F 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	169.27
875-784F ²	18X4	0	17- 7/8	18	9	20- 1/8	27	36	19- 7/8	5- 3/16	116.62
875-786F 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	123.45
875-788F ²	18X8	3	21- 7/8	21	12	26- 1/8	30	42	19- 7/8	9- 5/8	134.35
875-790F 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	164.27
875-792F ²	18X12	6	25- 1/8	24	15	31- 3/8	33	48	19- 7/8	14- 1/8	184.55
875-794F ²	18X14	7	26- 3/8	25	16	33- 3/8	34	50	19- 7/8	15- 1/2	202.86
875-796F 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	223.61
875-814F ²	20X4	1	19- 3/16	19	9	21- 7/16	29	38	22- 1/16	5- 3/16	153.19
875-816F ²	20X6	1/8	21- 1/4	19- 7/8	9- 7/8	24- 1/2	29- 7/8	39- 3/4	22- 1/16	7- 1/2	161.16
875-818F ²	20X8	2- 5/8	23- 3/16	22- 5/8	12- 5/8	27- 7/16	32- 5/8	45- 1/4	22- 1/16	9- 5/8	184.53
875-820F ²	20X10	4- 1/8	24-13/16	24- 1/8	14- 1/8	30- 1/16	34- 1/8	48- 1/4	22- 1/16	11-15/16	192.96
875-822F ²	20X12	5- 5/8	26- 7/16	25- 5/8	15- 5/8	32-11/16	35- 5/8	51- 1/4	22- 1/16	14- 1/8	232.59
875-824F ²	20X14	7- 1/8	27-11/16	27- 1/8	17- 1/8	34-11/16	37- 1/8	54- 1/4	22- 1/16	15- 1/2	243.74
875-826F ²	20X16	8- 1/2	28-11/16	28- 1/2	18- 1/2	36-11/16	38- 1/2	57	22- 1/16	17-11/16	252.79
875-828F ²	20X18	10- 1/8	30-11/16	30- 1/8	20- 1/8	39-11/16	40- 1/8	60- 1/4	22- 1/16	19- 7/8	255.61
875-904F ²	24X4	3	21- 3/4	21	9	24	33	42	26- 7/16	5- 3/16	248.00
875-906F ²	24X6	7/8	23-13/16	23- 1/8	11- 1/8	27- 1/16	35- 1/8	46- 1/4	26- 7/16	7- 1/2	248.71
875-908F ²	24X8	1- 3/4	25- 3/4	25- 3/4	13- 3/4	30	37- 3/4	51- 1/2	26- 7/16	9- 5/8	278.26

Schedule 80 PVC Technical
Schedule 80 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

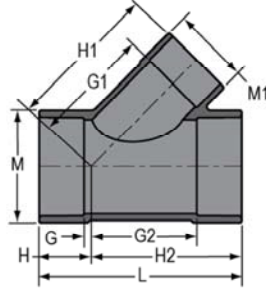
Maximum Internal Pressure Rating @ 73°F (23°

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.)
875-910F ^{2*}	24X10	3- 1/4	27- 3/8	27- 1/4	15- 1/4	32- 5/8	39- 1/4	54- 1/2	26- 7/16	11-15/16	299.97
875-912F ^{2*}	24X12	4- 3/4	29	28- 3/4	16- 3/4	35- 1/4	40- 3/4	57- 1/2	26- 7/16	14- 1/8	311.44
875-914F ^{2*}	24X14	6- 1/4	30- 1/4	30- 1/4	18- 1/4	37- 1/4	42- 1/4	60- 1/2	26- 7/16	15- 1/2	343.67
875-916F ^{2*}	24X16	7- 3/4	31- 1/4	31- 3/4	19- 3/4	39- 1/4	43- 3/4	63- 1/2	26- 7/16	17-11/16	395.00
875-918F ^{2*}	24X18	9- 1/4	33- 1/4	33- 1/4	21- 1/4	42- 1/4	45- 1/4	66- 1/2	26- 7/16	19- 7/8	417.96
875-920F ^{2*}	24X20	9- 5/8	34- 3/16	33- 5/8	21- 5/8	44- 3/16	45- 5/8	67- 1/4	26- 7/16	22- 1/16	381.21

¹ Sized with Bushing

² Fiberglass reinforced.

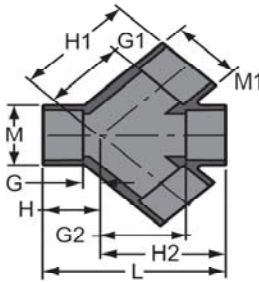
* Fabricated

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.)
876-020F ^{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	4.62
876-030F ^{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	9.72
876-040F ^{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	12.44
876-060F ^{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	28.50
876-080F ^{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	51.65
876-100F ^{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	90.83
876-120F ^{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	130.08

* Fabricated

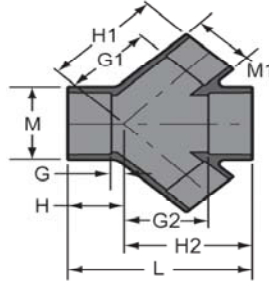
2-Fiberglass Reinforced



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.)
876-338	3X2	3/16	4- 1/4	4	2-16	5- 3/4	5-7/8	7-15/16	4- 3/16	2- 7/8	2.27
876-420F ^{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	8.21
876-421F ^{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	7.37
876-422F ^{2*}	4X3	4-11/16	9-7/8	9- 3/16	6-15/16	11-13/16	11- 7/16	18- 3/8	5- 3/16	5- 3/16	15.12
876-528F ^{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	12.53
876-529F ^{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	10.98
876-530F ^{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	15.11
876-532F ^{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	19.72
876-578F ^{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	15.51
876-579F ^{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	17.73
876-580F ^{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	23.37
876-582F ^{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	26.78
876-585F ^{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	38.76
876-621F ^{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	23.94
876-622F ^{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	25.90
876-623F ^{2*}	10X3	3/4	13	11- 1/2	6	15- 1/4	16- 3/4	22- 3/4	11-15/16	4- 1/8	27.46
876-624F ^{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	36.78
876-626F ^{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	51.27
876-628F ^{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	64.95
876-661F ^{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	36.07
876-662F ^{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	38.32
876-663F ^{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	42.04
876-664F ^{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	50.88
876-666F ^{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	68.01
876-668F ^{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	80.90
876-670F ^{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	89.92

² Fiberglass reinforced.

* Fabricated

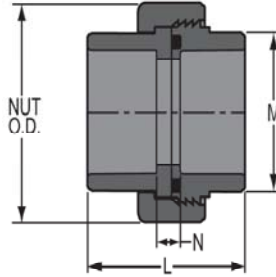
Schedule 80 PVC Technical
Schedule 80 Unions



Union 2000 - Socket/FKM

Socket x Socket with FKM O-ring Seal

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



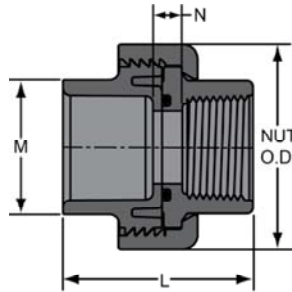
Pressure Rating
1/4" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-002	1/4	1-15/16	29/32	11/16	1-21/32	.09
857-003	3/8	2- 5/32	1-1/6	5/8	1-25/32	.11
8057-005	1/2	2- 3/32	1- 3/16	5/16	1-15/16	.12
8057-007	3/4	2- 3/8	1-3/8	3/8	2-3/8	.19
8057-010	1	2-11/16	1-23/32	13/32	2-21/32	.26
8057-012	1-1/4	2-15/16	2- 3/32	1-3/32	3- 3/32	.39
8057-015	1-1/2	3- 1/4	2-11/32	1/2	3-19/32	.52
8057-020	2	3-17/32	2-9/16	17/32	4-5/16	.86
8057-025	2-1/2	4- 7/32	3- 1/2	11/16	6-3/16	2.16
8057-030	3	4-5/16	4-5/32	17/32	6-3/16	2.18
8057-040	4	5-3/16	5- 1/4	21/32	7- 3/4	3.86
8057-060	6	6-29/32	7-21/32	27/32	11- 5/8	11.46

Union 2000 - Socket/Fipt/FKM

Socket x Fipt with FKM O-ring Seal

Dimensions Also Applicable to
8099-XXX 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.)
859-002	1/4	1-15/16	15/16	3/4	1-21/32	.09
859-003	3/8	2- 5/32	1-1/16	13/16	1-25/32	.11
8059-005	1/2	1-7/8	1-3/16	5/16	1-15/16	.12
8059-007	3/4	2-1/16	1-3/8	3/8	2-3/8	.18
8059-010	1	2-7/16	1-11/16	1/2	2-21/32	.26
8059-012	1-1/4	2-5/8	2-1/16	1/2	3-3/16	.38
8059-015	1-1/2	2-13/16	2-11/32	17/32	3-19/32	.51
8059-020	2	3	2- 7/8	9/16	4-5/16	.84
8059-025	2-1/2	3-15/32	3- 1/2	13/32	6- 3/16	2.18
8059-030	3	3-13/16	4-5/32	5/8	6-3/16	2.18
8059-040	4	4- 3/8	5- 1/4	11/16	7- 3/4	3.74
8059-060	6	6-27/32	7-21/32	1-17/32	11- 5/8	11.43

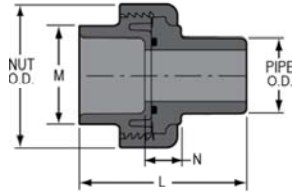


Schedule 80 PVC Technical Schedule 80 Unions

Union 2000 - Socket/Spigot/FKM

Socket x Spigot with FKM O-ring Seal

Dimensions Also Applicable to
8096-XXX EPDM O-Ring Seals



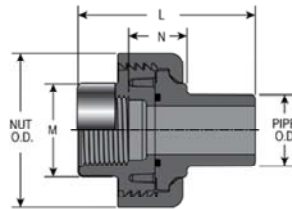
Pressure Rating
1/2" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8056-005	1/2	2-11/32	1- 3/16	9/16	1-15/16	.12
8056-007	3/4	2- 5/8	1- 3/8	19/32	2-3/8	.20
8056-010	1	2-15/16	1-23/32	11/16	2-21/32	.27
8056-012	1-1/4	3- 7/32	2- 3/32	11/16	3- 3/16	.40
8056-015	1-1/2	3- 1/2	2-11/32	23/32	3-19/32	.53
8056-020	2	3-25/32	2- 7/8	3/4	4- 5/16	.87
8056-025	2-1/2	4-21/32	3-1/2	1-1/8	6-3/16	2.22
8056-030	3	4-3/4	4- 5/32	31/32	6-3/16	2.24
8056-040	4	5- 5/8	5- 1/4	1- 1/8	7-23/32	3.96
8056-060	6	7-5/8	7- 9/16	1- 1/2	11-5/8	11.46

Union 2000 - Special Reinforced Fipt/Spigot/FKM

SR Fipt x Spigot with FKM O-ring Seal

Dimensions Also Applicable to
8095-XXXSR 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.)
8055-005SR	1/2	2-13/32	1-7/32	25/32	1-15/16	.14
8055-007SR	3/4	2-21/32	1-3/8	29/32	2-3/8	.21
8055-010SR	1	3-1/16	1-23/32	1-1/16	2-21/32	.30
8055-012SR	1-1/4	3-5/16	2-3/32	1-1/16	3-3/16	.44
8055-015SR	1-1/2	3-15/32	2-7/16	1-3/32	3-19/32	.59
8055-020SR	2	3-31/32	3-1/32	1-15/32	4-5/16	.96
8055-025SR	2-1/2	4-29/32	3-19/32	1-27/32	6-3/16	2.38
8055-030SR	3	5-1/8	4-9/32	1-27/32	6-3/16	2.49
8055-040SR	4	6	5-1/4	27/32	7-3/4	4.16
8055-060SR	6	7-19/32	7-19/32	2-7/8	11-5/8	12.39

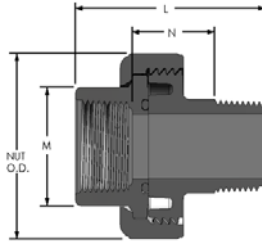
Schedule 80 PVC Technical
Schedule 80 Unions



Union 2000 - Fipt X Mipt/FKM

Fipt x Mipt with FKM O-ring Seal

Dimensions Also Applicable to
8093-XXX EPDM O-Ring Seals



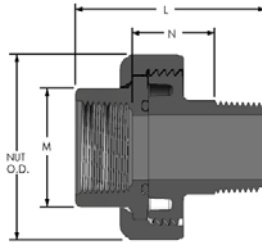
Pressure Rating
1/2" - 3" 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8093-005	1/2	2-3/8	1-3/16	1-1/16	1-15/16	.12
8093-007	3/4	2-9/16	1-3/8	1-1/4	2-3/8	.19
8093-010	1	3	1-11/16	1-3/8	2-21/32	.27
8093-012	1-1/4	3-5/16	2-1/16	1-7/16	3-3/16	.41
8093-015	1-1/2	3-1/2	2-13/32	1-5/8	3-19/32	.55
8093-020	2	3-15/16	3	1-15/16	4-5/16	.94
8093-030	3	5-7/16	4-9/32	2-7/16	6-3/16	2.44

Union 2000 - Fipt X Mipt/FKM-Reducing

Fipt x Mipt with FKM O-ring Seal

Dimensions Also Applicable to
8093-XXX EPDM O-Ring Seals



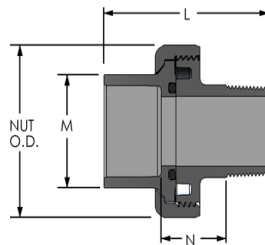
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8093-168	1-1/4X1	3-1/8	2-1/16	1-7/16	3-3/16	.39

Union 2000 - Socket X Mipt/FKM

Socket x Mipt with FKM O-ring Seal

Dimensions Also Applicable to
8094-XXX EPDM O-Ring Seals



Pressure Rating
1/2" - 3" 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8054-005	1/2	2-9/16	1-3/16	1-1/16	1-15/16	.13
8054-007	3/4	2-13/16	1-3/8	1-3/16	2-3/8	.20
8054-010	1	3-3/16	1-23/32	1-1/4	2-21/32	.28
8054-012	1-1/4	3-5/8	2-3/32	1-3/8	3-3/16	.42
8054-015	1-1/2	3-15/16	2-11/32	1-9/16	3-19/32	.57
8054-020	2	4-1/2	2-7/8	1-7/8	4-5/16	.96
8054-030	3	5-7/8	4-5/32	2-3/8	6-3/16	2.46

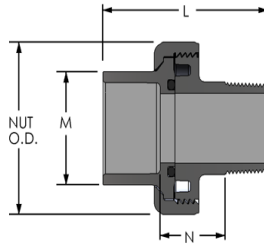


Schedule 80 PVC Technical Schedule 80 Unions

Union 2000 - Socket X Mipt/FKM-Reducing

Socket x Mipt with FKM O-ring Seal

Dimensions Also Applicable to
8094-XXX EPDM O-Ring Seals



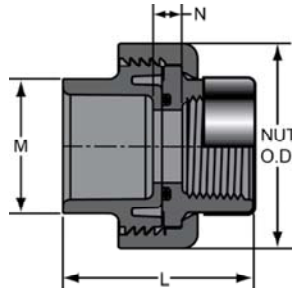
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8054-168	1-1/4X1	3-7/16	2-3/32	1-3/8	3-3/16	.40

Union 2000 - Socket/Special Reinforced Fipt/FKM

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

Dimensions Also Applicable to
8099-XXXSR EPDM O-Ring Seals



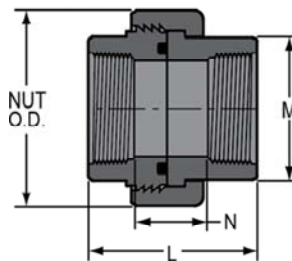
Pressure Rating
1/2" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8059-005SR	1/2	1-29/32	1- 3/16	9/32	1-15/16	.12
8059-007SR	3/4	2-3/32	1-3/8	11/32	2-3/8	.20
8059-010SR	1	2-15/32	1-23/32	13/32	2-21/32	.27
8059-012SR	1-1/4	2-21/32	2- 3/32	7/16	3-7/32	.40
8059-015SR	1-1/2	2-27/32	2-11/32	1/2	3-19/32	.54
8059-020SR	2	3-1/32	2- 7/8	1/2	4-5/16	.88
8059-025SR	2-1/2	3-27/32	3-1/2	3/4	6- 3/16	2.21
8059-030SR	3	3-13/16	4-5/32	1/2	6-3/16	2.24
8059-040SR	4	4-11/32	5- 1/4	5/8	7- 3/4	3.79
8059-060SR	6	6-1/4	7-21/32	1-17/32	11-9/16	11.12

Union 2000 - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal

Dimensions Also Applicable to
8098-XXX 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.)
8058-005	1/2	1-15/16	1- 3/16	19/32	1-15/16	.12
8058-007	3/4	2- 1/16	1- 3/8	9/16	2- 9/32	.18
8058-010	1	2-17/32	1-11/16	25/32	2- 9/16	.28
8058-012	1-1/4	2-21/32	2- 1/32	3/4	3- 1/8	.40
8058-015	1-1/2	2-25/32	2- 3/8	29/32	3- 1/2	.54
8058-020	2	3- 1/8	3	1- 3/16	4- 7/32	.90
8058-025	2-1/2	4- 1/32	3- 9/16	1-15/32	6- 5/32	2.28

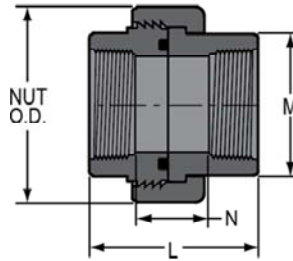
Schedule 80 PVC Technical
Schedule 80 Unions



Union 2000 - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal

Dimensions Also Applicable to
8098-XXX EPDM O-Ring Seals



(Continued)

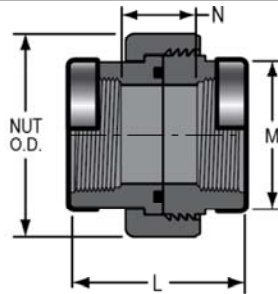
Pressure Rating
1/4" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8058-030	3	4- 5/32	4- 9/32	1-13/32	6- 5/32	2.37
8058-040	4	4-21/32	5- 1/4	1-21/32	7- 3/4	3.92
8058-060	6	6- 1/8	7-21/32	2-13/16	11-19/32	12.22

Union 2000 - Special Reinforced Fipt/FKM

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

Dimensions Also Applicable to
8098-XXXSR EPDM O-Ring Seals



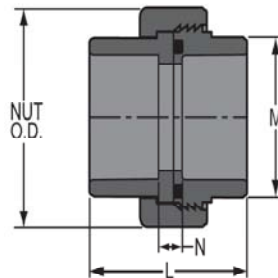
Pressure Rating
1/2" - 4" 235 psi @ 73°F
6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8058-005SR	1/2	2	1-7/32	9/16	1-15/16	.14
8058-007SR	3/4	2- 5/32	1- 3/8	23/32	2-3/8	.21
8058-010SR	1	2-19/32	1-23/32	29/32	2-21/32	.31
8058-012SR	1-1/4	2-3/4	2-3/32	29/32	3-3/16	.44
8058-015SR	1-1/2	2-27/32	2-7/16	1-1/32	3-19/32	.60
8058-020SR	2	3-3/16	3- 1/32	1-9/32	4-5/16	.97
8058-025SR	2-1/2	4- 3/32	3-19/32	1-9/16	6-3/16	2.37
8058-030SR	3	4-7/32	4- 9/32	1-1/2	6-3/16	2.49
8058-040SR	4	4-3/4	5- 1/4	1-13/16	7-3/4	4.00
8058-060SR	6	6-1/4	7-19/32	2-31/32	11- 5/8	12.05

Union (Old Style) - Socket/FKM

Socket x Socket with FKM O-ring Seal

Dimensions Also Applicable to
897-XXX EPDM O-Ring Seals



Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-005	1/2	2-1/16	1- 9/32	5/16	1-31/32	.15
857-007	3/4	2-13/32	1-17/32	11/32	2- 1/2	.26
857-010	1	2- 9/16	1-7/8	5/16	2- 7/8	.37
857-012	1-1/4	2- 7/8	2- 7/32	11/32	3- 5/16	.50
857-015	1-1/2	3-5/32	2- 9/16	15/32	3-17/32	.62



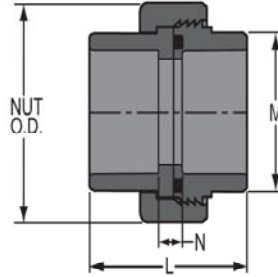
Schedule 80 PVC Technical Schedule 80 Unions

Union (Old Style) - Socket/FKM

(Continued)

Socket x Socket with FKM O-ring Seal

Dimensions Also Applicable to
897-XXX EPDM O-Ring Seals



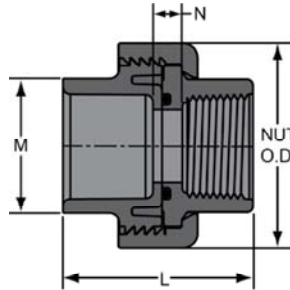
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-020	2	3- 5/8	3-1/16	9/16	4- 3/16	.98
857-025	2-1/2	4- 3/8	3- 5/8	7/8	4- 7/8	1.50
857-030	3	5	4- 3/8	1-7/32	5- 3/4	2.35
857-040	4	5-27/32	5-13/32	1-11/32	7-1/8	3.77

Union (Old Style) - Socket/Fipt/FKM

Socket x Fipt with FKM O-ring Seal

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



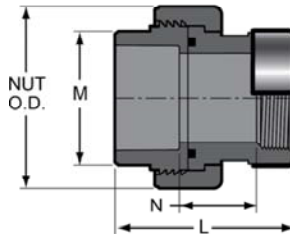
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-005	1/2	2-1/16	1-5/16	7/16	1-31/32	.15
859-007	3/4	2-13/32	1-17/32	19/32	2- 1/2	.27
859-010	1	2- 9/16	1-7/8	7/16	2- 7/8	.38
859-012	1-1/4	2- 7/8	2-1/4	19/32	3- 5/16	.52
859-015	1-1/2	3-3/16	2-9/16	27/32	3- 9/16	.64
859-020	2	3- 5/8	3-1/16	1-1/8	4- 3/16	1.02
859-025	2-1/2	4-13/32	3- 5/8	1-13/32	4- 7/8	1.58
859-030	3	5-1/32	4- 3/8	1-19/32	5- 3/4	2.46
859-040	4	5- 7/8	5-13/32	1- 7/8	7-1/8	3.91

Union (Old Style) - Special Reinforced Fipt/FKM

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

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



Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-002SR	1/4	2-1/8	15/16	7/8	1-21/32	.12
859-003SR	3/8	2-5/16	1-1/16	1-5/16	1-25/32	.13
859-005SR	1/2	2- 9/32	1- 9/32	21/32	1-31/32	.16
859-007SR	3/4	2-19/32	1-17/32	25/32	2- 1/2	.28
859-010SR	1	2-15/16	1-29/32	29/32	2- 7/8	.40

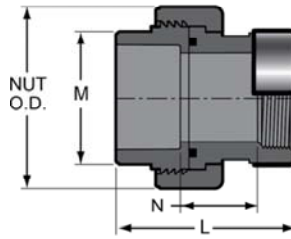
Schedule 80 PVC Technical
Schedule 80 Unions



Union (Old Style) - Special Reinforced Fipt/FKM

(Continued)

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

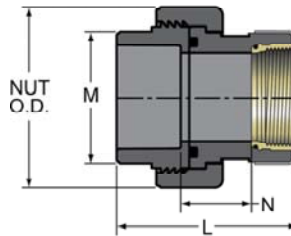


Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-012SR	1-1/4	3-7/32	2- 7/32	31/32	3- 5/16	.55
859-015SR	1-1/2	3-7/16	2- 9/16	1-3/32	3- 9/16	.68
859-020SR	2	4- 3/32	3-1/16	1-19/32	4- 3/16	1.12
859-030SR	3	5- 1/4	4-13/32	2	5- 3/4	2.55
859-040SR	4	5-15/16	5-13/32	2-7/32	7-1/8	3.96

Union - Socket/Brass Fipt/FKM

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



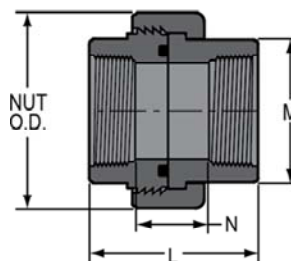
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-005BR	1/2	2-1/4	1-9/32	25/32	1-15/16	.21
859-007BR	3/4	2-11/16	1-17/32	1	2- 1/2	.35
859-010BR	1	2-13/16	1- 7/8	1- 1/32	2- 7/8	.50
859-012BR	1-1/4	3-5/16	2-1/4	1-5/16	3- 5/16	.73
859-015BR	1-1/2	3-9/16	2- 9/16	1-13/32	3-17/32	.91
859-020BR	2	3-19/32	2- 7/8	1-5/16	4- 5/16	1.59

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-XXX EPDM O-Ring Seals



Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
858-002	1/4	1-15/16	15/16	3/4	1-5/8	.09
858-003	3/8	2-1/8	1- 1/32	31/32	1-25/32	.12
858-005	1/2	2-1/16	1- 9/32	19/32	1-31/32	.16
858-007	3/4	2- 3/8	1-17/32	13/16	2- 1/2	.28
858-010	1	2- 9/16	1-27/32	19/32	2- 7/8	.39
858-012	1-1/4	2- 7/8	2- 7/32	7/8	3- 5/16	.56

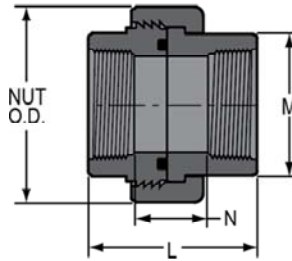


Schedule 80 PVC Technical Schedule 80 Unions

Union (Old Style) - Fipt/FKM

Fipt x Fipt with FKM O-ring Seal

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



(Continued)

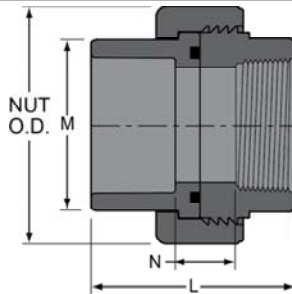
Pressure Rating
235 psi @ 73°F

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
858-015	1-1/2	3-3/16	2-1/2	2-9/16	1-7/32	3-17/32	.66
858-020	2	3-19/32	3	3-1/16	1-19/32	4- 3/16	1.07
858-025	2-1/2	4- 3/8	3- 5/8	3-5/8	1-25/32	4- 7/8	1.66
858-030	3	5	4- 3/8	4-3/8	1-13/16	5- 3/4	2.55
858-040	4	5- 7/8	5-3/8	5-13/32	2-5/8	7-1/8	4.07

Union -Transition JIS to ASTM/FKM

JIS (mm) Socket x ASTM (in.) Fipt with FKM O-ring Seal

Dimensions Also Applicable to
8298-XXX EPDM O-Ring Seals



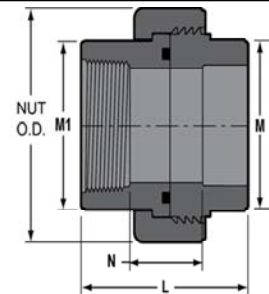
Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8258-016	16 DN X 1/2	2- 3/32	1- 9/32	19/32	1-31/32	.12
8258-020	20 DN X 3/4	2- 3/8	1-17/32	3/4	2- 1/2	.20
8258-025	25 DN X 1	2-25/32	1-23/32	13/16	2-21/32	.29
8258-030	30 DN X 1-1/4	2- 7/8	2- 7/32	7/8	3- 5/16	.43
8258-040	40 DN X 1-1/2	3- 1/8	2-17/32	25/32	3-17/32	.55
8258-050	50 DN X 2	3-11/16	2- 7/8	1- 7/32	4- 9/32	.92
8258-075	75 DN X 3	5- 1/16	4- 3/8	1-13/16	5- 3/4	2.42
8258-100	100 DN X 4	5- 7/8	5- 7/16	2- 3/8	7- 1/16	3.95

Union - Transition BSP to ASTM/FKM

BSP Thread (in.) x ASTM (in.) Socket with FKM O-ring Seal

Dimensions Also Applicable to
8399-XXX EPDM O-Ring Seals



Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

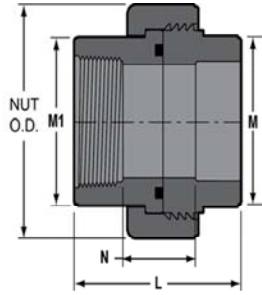
Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
8359-005	1/2	1-29/32	1- 3/16	1-3/16	3/8	1-15/16	.12
8359-007	3/4	2-1/16	1-3/8	1-3/8	3/8	2-3/8	.18
8359-010	1	2-7/16	1-11/16	1-11/16	15/32	2-21/32	.26
8359-012	1-1/4	2- 5/8	2-1/16	2-1/16	15/32	3- 3/16	.37
8359-015	1-1/2	2-7/8	2-13/16	2-13/16	19/32	3-19/32	.51

Schedule 80 PVC Technical
Schedule 80 Unions



**Union - Transition
BSP to ASTM/FKM**

BSP Thread (in.) x ASTM (in.) Socket with FKM O-ring Seal
Dimensions Also Applicable to
8399-XXX EPDM O-Ring Seals



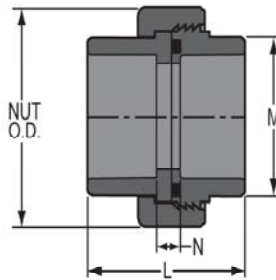
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Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
8359-020	2	3	3	2-7/8	1/2	4- 5/16	.84
8359-030	3	5	4- 3/8	4-3/8	1-5/8	5-25/32	2.42
8359-040	4	5- 7/8	5-11/32	5-13/32	1-15/16	7-1/8	3.84

**Union - Transition
DIN to ASTM/FKM**

DIN (mm) Socket x ASTM (in.) Socket with FKM O-ring Seal
Dimensions Also Applicable to
8697-XXX EPDM O-Ring Seals

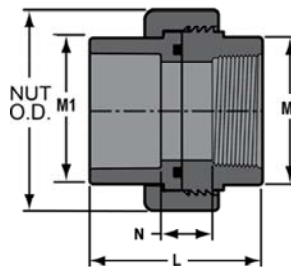


Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8657-020	20 d X 1/2	2- 1/16	1-3/16	5/16	1-15/16	.12
8657-025	25 d X 3/4	2-3/8	1-3/8	11/32	2-3/8	.20
8657-032	32 d X 1	2-21/32	1-11/16	13/32	2-21/32	.27
8657-040	40 d X 1-1/4	2-15/16	2-1/16	13/32	3-3/16	.40
8657-050	50 d X 1-1/2	3-9/32	2-11/32	1/2	3-19/32	.51
8657-063	63 d X 2	3-9/16	2-7/8	9/16	4-5/16	.83
8657-090	90 d X 3	5-1/32	4- 3/8	1-1/4	5-25/32	2.30
8657-110	110 d X 4	5- 7/8	5-13/32	1-11/32	7-1/8	3.90

**Union - Transition
DIN to ASTM/FKM**

DIN (mm) Socket x ASTM (in.) Fipt with FKM O-ring Seal
Dimensions Also Applicable to
8698-XXX EPDM O-Ring Seals



Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

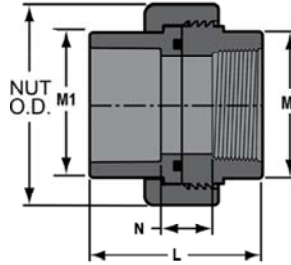
Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
8658-020	20 d X 1/2	2-5/32	1-3/16	1-3/16	17/32	1-15/16	.13
8658-025	25 d X 3/4	2- 3/8	1-3/8	2-3/8	5/8	2-3/8	.20
8658-032	32 d X 1	2-25/32	1-23/32	1-11/16	13/16	2-21/32	.28
8658-040	40 d X 1-1/4	3	2-3/32	2-1/16	13/16	3-3/16	.42
8658-050	50 d X 1-1/2	3-1/16	2-11/32	2-13/32	3/4	3-19/32	.54
8658-063	63 d X 2	3-11/16	2-7/8	3	1-3/16	4-15/16	.89
8658-090	90 d X 3	5	4- 3/8	4-13/32	1-7/16	5- 3/4	2.39



Schedule 80 PVC Technical Schedule 80 Unions

Union - Transition DIN to ASTM/FKM

DIN (mm) Socket x ASTM (in.) Fipt with FKM O-ring Seal
Dimensions Also Applicable to
8698-XXX EPDM O-Ring Seals



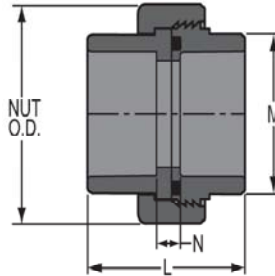
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Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
8658-110	110 d X 4	5- 7/8	5-3/8	5-13/32	2-3/16	7-1/8	4.06

Union -Transition JIS to ASTM/FKM

JIS (mm) Socket x ASTM (in.) Socket with FKM O-ring Seal
Dimensions Also Applicable to
8297-XXX EPDM O-Ring Seals

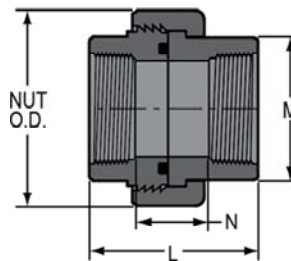


Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8257-016	16 DN X 1/2	2-3/32	1-3/16	5/16	1-15/16	.12
8257-020	20 DN X 3/4	2- 3/8	1-3/8	11/32	2-3/8	.19
8257-025	25 DN X1	2-5/8	1-23/32	3/8	2-21/32	.27
8257-030	30 DN X 1-1/4	2-15/16	2- 3/32	13/32	3- 3/16	.41
8257-040	40 DN X 1-1/2	3-9/32	2-11/32	1/2	3-19/32	.52
8257-050	50 DN X 2	3-17/32	2- 7/8	1/2	4- 5/16	.86
8257-075	75 DN X 3	5-1/32	4-13/32	1-7/32	5- 3/4	2.33
8257-100	100 DN X 4	5- 7/8	5-13/32	1-11/32	7- 1/8	3.79

Union - Transition BSP to ASTM/FKM

BSP Thread (in.) x ASTM (in.) Fipt with FKM O-ring Seal
Dimensions Also Applicable to
8398-XXX EPDM O-Ring Seals



Pressure Rating
235 psi @ 73°F
(PN 16 @ 22°C)

Part Number	Size	L	M	M1	N	NUT O.D.	Approx. Wt. (Lbs.)
8358-005	1/2	1-15/16	1-3/16	1-3/16	9/16	1-15/16	.12
8358-007	3/4	2-3/32	1-3/8	1-3/8	19/32	2-3/8	.18
8358-010	1	2- 9/16	1-11/16		15/16	2-21/32	.27
8358-012	1-1/4	2-23/32	2- 1/32		27/32	3- 3/16	.39
8358-015	1-1/2	2-13/16	2-13/32	2-13/32	15/16	3-19/32	.54
8358-020	2	3-3/16	3	3	1-5/16	4-5/16	.90
8358-030	3	5	4-11/32	4-1/8	1-7/8	5-3/4	2.51
8358-040	4	5- 7/8	5-3/8	5-13/32	2-3/4	7-1/8	4.00





Schedule 80 PVC Technical Schedule 80 Tank Adapters

Tank Adapters (Bulkhead Fittings)

Designed to facilitate connections through tank or bulkhead walls. Available in PVC or CPVC with socket x socket, socket x thread or SR thread, thread x thread or thread x SR thread, and spigot end connections. Plus, special Self-Aligning style.

New Style Tank Adapters are designed with Spears® patented Special Reinforced (SR) Female Plastic threads for improved adapter connection strength, even when transitioned to metal pipe (Patent No. 5,582,439). In addition, these Tank Adapters in sizes through 4" are designed for use with Nut & Body Spanner Wrench Sets (purchased separately) on the outside connection to aid both installation and in make-up of external threaded connections. Pressure rated to 150 psi @ 73°F (23°C).

Easy Assembly to Tank:

1. Locate and cut designated hole size in tank (see Minimum Hole Size in appropriate chart below).
2. Remove the nut and insert Tank Adapter through hole from inside; leave gasket in place. **Note: Body and Gasket must be installed on the inside of the tank. (except spigot style in which gasket goes on outside of tank).**
3. Tighten Nut clockwise while holding body from inside tank or on outside with use of spanner wrench.

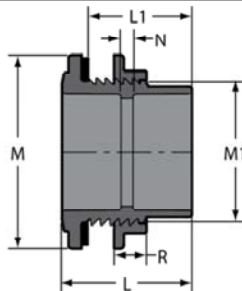
NOTE: A sound, leak-tight seal can be made on curved surfaces providing the curve on the surface will allow for full and equal 360° pressure contact of the sealing gasket against the tank wall surface. (Refer to Minimum Tank Radius below).

Tank Adapters, PVC New Style Standard with Neoprene Gaskets

Socket x Socket

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

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



Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8170-002	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1- 3/16	1/2	1-1/16	.11
8170-003	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1	1/2	1-3/16	.12
8170-005	1/2	2-29/32	2- 3/16	2- 1/16	1-7/16	1- 1/8	5/8	1-1/2	.20
8170-007	3/4	2-15/16	2- 3/16	2- 1/4	1- 5/8	29/32	5/8	1-3/4	.23
8170-010	1	3-9/32	2- 9/16	2-21/32	1-31/32	1	5/8	2	.36
8170-012	1-1/4	3-13/32	2- 5/8	3- 1/8	2- 5/16	29/32	5/8	2-3/8	.45
8170-015	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	7/8	5/8	2-3/4	.64
8170-020	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	1- 1/16	3/4	3-3/8	1.22
8170-025	2-1/2	4-27/32	3-29/32	5- 1/4	3-13/16	1-5/16	1	3-7/8	2.13
8170-030	3	5- 1/2	4- 1/2	6	4-17/32	1-23/32	1	4-5/8	2.50
8170-040	4	4-31/32	3-15/16	7-7/16	5-7/16	7/16	1- 1/4	5-1/2	3.12
8170-060	6	5	4	10-3/32	8	1/8	1-1/4	8	5.59
8170-080	8	8-19/32	6-7/8	12-15/16	10-7/32	1/2	1- 1/2	10-3/8	16.24

Schedule 80 PVC Technical
Schedule 80 Tank Adapters

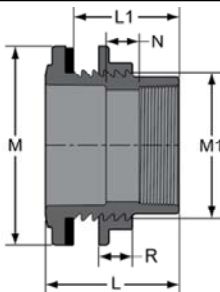


**Tank Adapters, PVC New Style
Standard with Neoprene
Gaskets**

Socket x Fipt

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

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



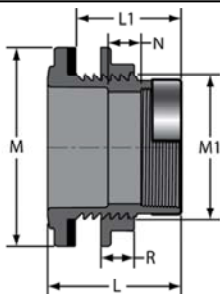
Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8171-002	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1- 1/4	1/2	1-1/16	.11
8171-003	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1- 3/16	1/2	1-3/16	.12
8171-005	1/2	2-29/32	2- 3/16	2- 1/16	1-7/16	1-5/16	5/8	1-1/2	.21
8171-007	3/4	2-15/16	2-3/16	2- 1/4	1- 5/8	1- 3/16	5/8	1-3/4	.24
8171-010	1	3-9/32	2-9/16	2-21/32	1-31/32	1- 1/4	5/8	2	.36
8171-012	1-1/4	3-13/32	2-5/8	3-1/8	2- 5/16	1-7/32	5/8	2-3/8	.48
8171-015	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1-9/32	5/8	2-3/4	.68
8171-020	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	1- 5/8	3/4	3-3/8	1.26
8171-025	2-1/2	4-27/32	3-29/32	5- 1/4	3-13/16	1-3/4	1	3-7/8	2.22
8171-030	3	5- 1/2	4- 1/2	6	4-17/32	2- 3/16	1	4-5/8	2.64
8171-040	4	4-31/32	3-15/16	7-7/16	5-7/16	1-7/32	1- 1/4	5-1/2	3.24
8171-060	6	5	4	10-3/32	8	1/32	1- 1/4	8	5.59

**Tank Adapters, PVC 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-XXXSR & 8171V-XXXSR



Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8171-002SR	1/4	2- 1/2	1-13/16	1-17/32	1-1/32	1-9/32	1/2	1-1/16	.11
8171-003SR	3/8	2-17/32	1-27/32	1-21/32	1-5/32	1- 3/16	1/2	1-3/16	.12
8171-005SR	1/2	2-15/16	2-3/16	2- 1/16	1-15/32	1-5/16	5/8	1-1/2	.22
8171-007SR	3/4	2-15/16	2-7/32	2- 1/4	1- 5/8	1- 1/4	5/8	1-3/4	.25
8171-010SR	1	3- 5/16	2-9/16	2-21/32	1-31/32	1-9/32	5/8	2	.38
8171-012SR	1-1/4	3-7/16	2-21/32	3-1/8	2- 5/16	1-1/4	5/8	2-3/8	.51
8171-015SR	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1-9/32	5/8	2-3/4	.69
8171-020SR	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	1- 5/8	3/4	3-3/8	1.31
8171-025SR	2-1/2	4- 7/8	3-29/32	5- 1/4	3-13/16	1-13/16	1	3-7/8	2.26
8171-030SR	3	5- 1/2	4- 1/2	5-31/32	4-1/2	2- 3/16	1	4-5/8	2.70
8171-040SR	4	5	4	7-7/16	5-7/16	1- 1/4	1- 1/4	5-1/2	3.36
8171-060SR	6	5	4-3/32	10-3/32	8	1/32	1- 1/4	8	7.13



Schedule 80 PVC Technical
Schedule 80 Tank Adapters

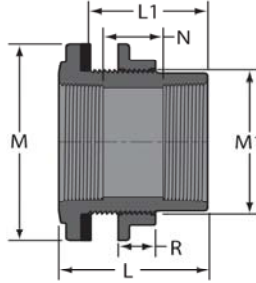
**Tank Adapters, PVC New Style
Standard with Neoprene
Gaskets**

Fipt x Fipt

150 psi Maximum Internal Pressure Rating @ 73°

F (23°C)

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



Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8172-002	1/4	2-15/32	1-13/16	1-17/32	1-1/32	1- 5/16	1/2	1-1/16	.11
8172-003	3/8	2- 1/2	1-27/32	1-21/32	1-5/32	1-11/32	1/2	1-3/16	.14
8172-005	1/2	2-29/32	2- 3/16	2- 1/16	1-7/16	1-15/32	5/8	1-1/2	.22
8172-007	3/4	2-15/16	2-3/16	2- 1/4	1- 5/8	1-15/32	5/8	1-3/4	.25
8172-010	1	3-9/32	2-9/16	2-21/32	1-31/32	1-1/2	5/8	2	.37
8172-012	1-1/4	3-13/32	2-5/8	3-1/8	2- 5/16	1-17/32	5/8	2-3/8	.50
8172-015	1-1/2	3-5/8	2-13/16	3-5/8	2-11/16	1-23/32	5/8	2-3/4	.69
8172-020	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	2-5/32	3/4	3-3/8	1.30
8172-025	2-1/2	4-27/32	3-29/32	5- 1/4	3-13/16	2-7/32	1	3-7/8	2.27
8172-030	3	5- 1/2	4- 1/2	6	4-17/32	2-11/16	1	4-5/8	2.77
8172-040	4	4-31/32	3-15/16	7-7/16	5-7/16	2	1- 1/4	5-1/2	3.53
8172-060	6	5	4	10-3/32	8	1-1/8	1- 1/4	8	5.94

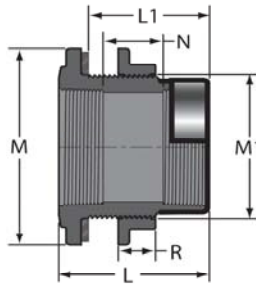
**Tank Adapters, PVC New Style
Special Reinforced (SR)
Threaded with Neoprene
Gaskets**

Fipt x SR Fipt - Stainless Steel Collar

150 psi Maximum Internal Pressure Rating @ 73°

F (23°C)

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



Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8172-002SR	1/4	2- 1/2	1-13/16	1-17/32	1-1/32	1- 5/16	1/2	1-1/16	.12
8172-003SR	3/8	2-17/32	1-27/32	1-21/32	1-5/32	1- 3/8	1/2	1-3/16	.13
8172-005SR	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1-1/2	5/8	1-1/2	.22
8172-007SR	3/4	2-15/16	2-7/32	2- 1/4	1- 5/8	1-1/2	5/8	1-3/4	.26
8172-010SR	1	3-5/16	2-9/16	2-21/32	1-31/32	1-17/32	5/8	2	.39
8172-012SR	1-1/4	3-9/16	2-21/32	3-1/8	2- 5/16	1-9/16	5/8	2-3/8	.52
8172-015SR	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1- 3/4	5/8	2-3/4	.72
8172-020SR	2	4- 1/8	3- 1/4	4-7/8	3-1/4	2-5/32	3/4	3-3/8	1.33
8172-025SR	2-1/2	4- 7/8	3-29/32	5- 1/4	3-13/16	2- 1/4	1	3-7/8	2.38
8172-030SR	3	5-1/2	4-1/2	5-31/32	4-1/2	2-11/16	1	4-5/8	2.84
8172-040SR	4	5	4	7-7/16	5-7/16	2-1/32	1- 1/4	5-1/2	3.60
8172-060SR	6	5	4-3/32	9-15/16	8	1-1/8	1-1/4	8	9.41

Schedule 80 PVC Technical
Schedule 80 Tank Adapters



TANK ADAPTER GASKET SECTION	SIZE	O.D.*	I.D.*	T
	1/4	1.49	0.99	1/4
	3/8	1.62	1.12	1/4
	1/2	1.98	1.41	1/4
	3/4	2.20	1.57	1/4
	1	2.60	1.90	1/4
	1-1/4	3.04	2.23	1/4
	1-1/2	3.54	2.57	1/4
	2	4.763	3.15	1/4
	2-1/2	5.13	3.70	1/4
	3	5.86	4.39	1/4
	4	7.34	5.31	1/4
	6	9.85	7.95	3/16
	8	12.70	9.94	3-8

New Style Tank Adapter Gasket & Hole Size Requirements			
Tank Adapter Size	Recommended Minimum Hole Size	Minimum Inside Curvature Radius (inches)	Maximum Tank Wall Thickness (inches)
1/4	1-1/16	2.50	.50
3/8	1-3/16	3.00	.50
1/2	1-1/2	4.00	.75
3/4	1-3/4	5.00	.75
1	2	7.00	.86
1-1/4	2-3/8	9.50	.86
1-1/2	2-3/4	12.00	.86
2	3-3/8	18.50	1.19
2-1/2	3-7/8	23.50	1.50
3	4-5/8	32.50	2.00
4	5-1/2	43.50	1.25
6	8	79.50	2.06
8	10-3/8	98.00	4.25

* Both outside and inside dimensions are +/- .01 to .03 shore hardness 50-60

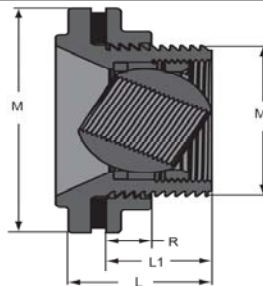
**New Style Tank Adapters
Optional Wrench Sets**
(Nut & Body Wrench)

Part No.	TA Size	Part No.	TA Size
TAW-002	1/4	TAW-012	1-1/4
TAW-003	3-8	TAW-015	1-1/2
TAW-005	1/2	TAW-020	2
TAW-007	3/4	TAW-030	3
TAW-010	1	TAW-040	4

**Tank Adapter, PVC Self
Aligning with Neoprene Gasket**

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

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



Part Number	Size	L	L1	M	M1	R	Approx. Wt. (Lbs.)
8172SA-010	1	2- 9/16	1- 3/4	4- 7/8	3- 1/4	3/4	1.64
8172SA-020	2	2-11/16	1- 3/4	6	4-7/16	1	2.01
8172SA-030	3	3-3/16	2-9/32	7-7/16	5-7/16	1- 1/4	3.13



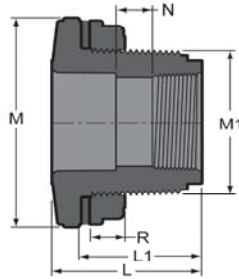
Schedule 80 PVC Technical Schedule 80 Tank Adapters

Tank Adapter, PVC Old Style with Neoprene Gasket

Socket x Fipt

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

Dimensions Also Applicable to
871E-XXX EPDM Gasket



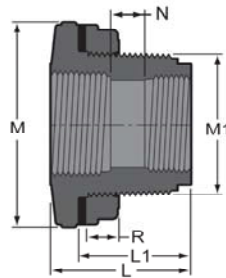
Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
871-005	1/2	2-27/32	2-3/16	2-3/8	1- 9/32	1-11/32	5/8	.24
871-007	3/4	2-23/32	2-1/16	2-5/8	1- 5/8	29/32	5/8	.29
871-010	1	2-25/32	2- 1/8	2-13/16	1- 7/8	25/32	21/32	.33
871-012	1-1/4	3- 1/8	2- 7/16	3-29/32	2-11/32	27/32	5/8	.65
871-015	1-1/2	3- 5/32	2-21/32	3-29/32	2-11/32	3/4	5/8	.54
871-020	2	3- 3/16	2-17/32	4-31/32	3-15/32	13/16	3/4	1.33
871-030	3	4-19/32	3-13/16	6- 7/16	4-15/32	31/32	1- 3/16	2.46
871-040	4	4- 7/16	3-23/32	7- 7/16	5- 1/2	1/2	1- 1/4	3.16

Tank Adapter, PVC Old Style with Neoprene Gasket

Fipt x Fipt

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

Dimensions Also Applicable to
872E-XXX EPDM Gasket

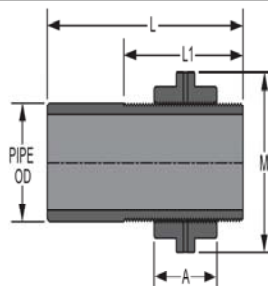


Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
872-005	1/2	2-27/32	2-3/16	2-3/8	1- 9/32	1-15/32	5/8	.24
872-007	3/4	2-23/32	2-1/16	2-5/8	1- 5/8	1-1/4	5/8	.30
872-010	1	2-25/32	2-1/8	2-7/8	1- 7/8	1-5/16	5/8	.34
872-012	1-1/4	3- 1/8	2-7/16	3-15/16	2-11/32	1- 1/8	5/8	.66
872-015	1-1/2	3- 1/8	2-7/16	3-15/16	2-11/32	1- 1/16	5/8	.57
872-020	2	3-3/16	2- 3/8	5-3/32	3-15/32	3/4	3/4	1.37
872-030	3	4-19/32	3-11/16	6-19/32	4-7/16	1-1/8	1- 3/16	2.55
872-040	4	4-15/32	3-17/32	7-11/16	5- 1/2	17/32	1- 1/4	3.34

Tank Adapter, Spigot PVC with EPDM Gasket

Spigot

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



Part Number	Size	A	L	L1	M	Approx. Wt. (Lbs.)
8173E-005	1/2	1-3/16	3	1-3/4	1-1/2	.11
8173E-007	3/4	1-1/4	3	2	1-11/16	.14

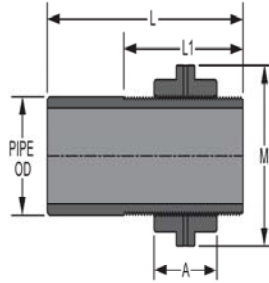
Schedule 80 PVC Technical
Schedule 80 Tank Adapters



Tank Adapter, Spigot PVC with EPDM Gasket

(Continued)

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



Part Number	Size	A	L	L1	M	Approx. Wt. (Lbs.)
8173E-010	1	1-3/8	4-1/16	2-3/8	2-3/16	.28
8173E-015	1-1/2	1-5/8	5-1/16	3-1/8	2-7/8	.53
8173E-020	2	1-7/8	5-3/4	3-1/2	3-5/8	.89

Install with threaded end and one nut inside tank. Use thread sealant on internal nut. Install gasket and other nut on the outside of the tank

Size	A-MAX	Minimum Inside Curvature Radius (inches)	Hole Saw Size
1-2	9-16	4-1/2	7/8
3/4	3/4	6	1-1/16
1	1	9-1/2	1-3/8
1-1/2	10-1/2	16	2
2	1-5/8	26	2-1/2





Schedule 80 PVC Technical Schedule 80 Tank Adapters

TANK ADAPTER GASKET SECTION					Old Style Tank Adapter Gasket & Hole Size Requirements			
	SIZE	O.D.*	I.D.*	T	Tank Adapter Size	Recommended Minimum Hole Size	Minimum Inside Curvature Radius (inches)	Maximum Tank Wall Thickness (inches)
	1/2	2.25	1.33	3/16	1/2	1-3/8	3.88	1.06
	3/4	2.49	1.69	3/16	3/4	1-3/4	5.00	1.06
	1	2.79	1.94	3/16	1	2	6.12	1.06
	1-1/4	3.81	2.39	3/16	1-1/4	2-7/16	10.75	1.34
	1-1/2	3.81	2.39	3/16	1-1/2	2-7/16	10.75	1.34
	2	4.89	3.51	3/16	2	3-9/16	18.50	1.16
	3	6.30	4.49	3/16	3	4-9/16	31.00	1.75
	4	7.33	5.50	3/16	4	5-9/16	42.75	1.81

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

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