



## 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 36"**

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

### **Advanced Design Specialty Fittings**

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

### **PVC Valves**

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

### **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 Information

# 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 F 441. Certain products carry reduced pressure handling capability and have maximum internal pressure ratings at 73°F noted.

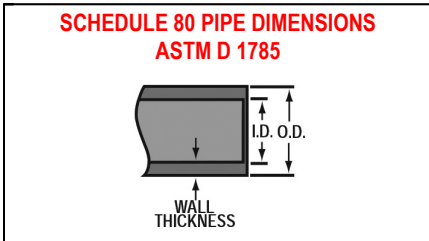
Fabricated Schedule 80 PVC pressure fittings (part numbers ending with "F") are manufactured to Spears® specifications for use with pipe manufactured to ASTM D 1785. General Specifications for Standard Fabricated Fittings for additional information.

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

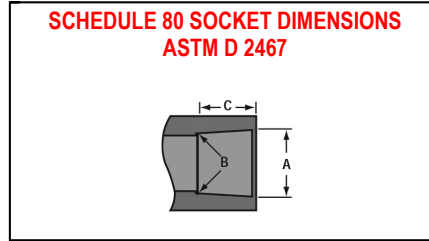
"Lead Free" low lead certification - unless otherwise specified, all Spears® Schedule 80 fittings specified here-in are certified by NSF International to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state 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.



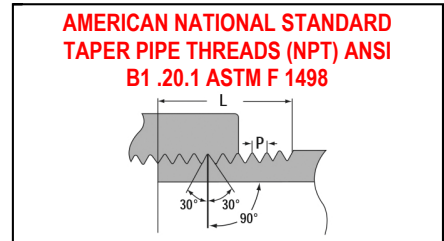
**ASTM STANDARD DIMENSIONS**



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



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



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 Fittings



### Injection Molded Dimension References:

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

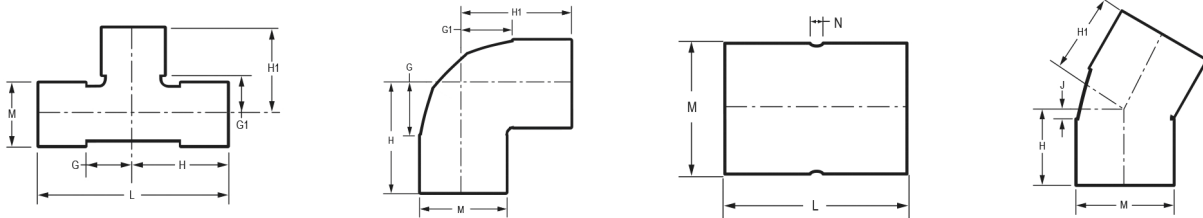
- L** = Overall length of fittings; ± 1/16 inch.
- M** = Outside diameter of socket/thread hub; ± 1/16 inch.
- N** = Socket bottom to socket bottom; couplings; ± 1/16 inch.
- W** = Height of cap; ± 1/16 inch.

### Fabricated Dimension References:

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

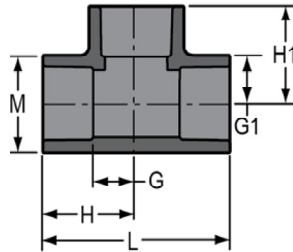
- L** = Overall length of fittings; ± 1/2 inch.; wyes ± 1 inch; 14" & larger ± 1 inch.
- M** = Outside diameter of socket/thread hub; ± 1/4 inch.
- N** = Socket bottom to socket bottom; couplings; ± 1/2 inch.
- W** = Height of cap; ± 1/4 inch.

### Typical Fabricated Dimension References



### Tee

Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-002	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	17/32	17/32	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	.15
801-010	1	7/8	7/8	2	2	4	1- 3/4	.25
801-012	1-1/4	1- 1/32	1- 1/32	2- 9/32	2- 9/32	4-19/32	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	3-15/32	1.58
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- 1/2	2- 1/2	4- 3/4	4- 3/4	9- 1/2	5- 1/4	3.51
801-050	5	3- 5/32	3- 5/32	5-25/32	5-25/32	11-19/32	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	7-19/32	9.51
801-080	8	4-13/16	4-13/16	8- 7/8	8- 7/8	17- 3/4	9-23/32	21.03
801-080F*	8	7- 5/8	7- 5/8	11- 7/8	11- 7/8	23- 3/4	9- 5/8	17.16

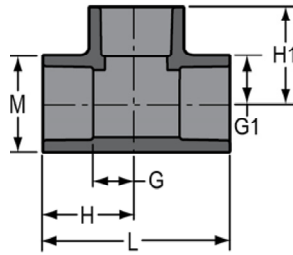


## Schedule 80 Fittings

### Tee

Socket x Socket x Socket

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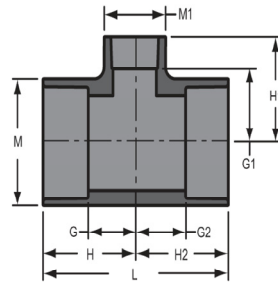


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
801-100	10	5-15/16	5-29/32	10-29/32	10-29/32	21-13/16	12-3/16	37.89
801-100F*	10	9	9	14- 1/4	14- 1/4	28- 1/2	11-15/16	39.85
801-120	12	6-15/16	6-15/16	12-15/16	12-15/16	25- 7/8	14- 1/4	54.44
801-120F*	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	14- 1/8	68.42
801-140	14	7- 1/32	7- 1/32	14- 7/32	14- 1/32	28- 7/16	15-21/32	127.21
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	144.86
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	246.44
801-240F*	24	20- 1/4	20- 1/4	32- 1/4	32- 1/4	64- 1/2	26- 7/16	422.65

\* Fabricated

### Tee - Reducing

Socket x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
801-101	3/4X1/2	19/32	23/32	19/32	1-19/32	1-19/32	1-19/32	3- 3/16	1-13/32	1- 3/16	.13
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	.19
801-131	1X3/4	11/16	27/32	11/16	1-53/64	1-27/32	1-53/64	3-21/32	1- 3/4	1-13/32	.22
801-157	1-1/4X1X3/4	23/32	1- 1/16	11/16	1-7/8	2- 1/16	1-15/16	3-3/4	2-2/32	1- 7/16	.30
801-158	1-1/4X1X1	13/32	15/16	13/32	2- 1/8	1-31/32	1-15/16	4	2- 1/16	1-11/16	.32
801-159	1-1/4X1X1-1/4	15/16	1- 1/32	7/8	2- 3/16	2- 5/32	2- 1/8	4- 5/16	2- 1/16	2- 1/16	.39
801-166 <sup>1</sup>	1-1/4X1/2	7/8	1-13/32	7/8	2- 3/32	2- 3/8	2- 3/32	4- 7/32	2- 1/8	1- 3/4	.30
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- 1/8	1-13/32	.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	.34
801-202	1-1/2X1-1/4X1	7/8	1- 7/32	7/8	2- 1/4	2-11/32	2- 1/4	4- 1/2	2- 7/16	1-13/16	.39
801-209	1-1/2X1/2	9/16	1- 1/16	9/16	1-31/32	1-15/16	1-31/32	3-15/16	2- 3/8	1- 3/16	.33
801-210	1-1/2X3/4	11/16	1- 1/32	11/16	2- 1/16	2- 1/32	2- 1/16	4- 5/32	2-11/32	1-13/32	.36
801-211	1-1/2X1	27/32	1- 5/32	27/32	2-15/32	2- 5/16	2-15/32	4-15/16	2-11/32	1- 3/4	.41
801-212	1-1/2X1-1/4	1- 3/16	1- 3/16	1- 3/16	2- 9/16	2- 7/16	2- 9/16	5- 1/8	2- 3/8	2- 1/8	.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- 7/8	1- 5/32	.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	.51
801-249	2X1	27/32	1- 7/16	27/32	2- 3/8	2- 9/16	2- 3/8	4- 3/4	2- 7/8	1- 3/4	.57
801-250 <sup>1</sup>	2X1-1/4	31/32	1-11/32	31/32	2-17/32	2-19/32	2-17/32	5- 3/32	2- 7/8	2- 1/8	.61
801-251	2X1-1/2	1- 5/32	1-13/32	1- 5/32	2-11/16	2-13/16	2-11/16	5- 3/8	2-15/16	2-15/32	.77

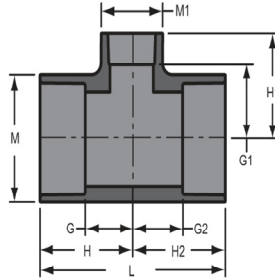
**Schedule 80 Fittings**



**Tee - Reducing**

Socket x Socket x Socket

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Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
801-254 <sup>1</sup>	2X2X4	3-11/16	2-15/32	3-11/16	5- 3/16	4-23/32	5- 3/16	10-11/32	5- 1/4	5- 1/4	5.53
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	.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	3-17/32	1-13/32	.80
801-289	2-1/2X1	27/32	1-23/32	27/32	2- 5/8	2-27/32	2- 5/8	5- 1/4	3-17/32	1-23/32	.98
801-290	2-1/2X1-1/4	1- 1/32	1- 3/4	1- 1/32	2-27/32	3	2-27/32	5- 11/16	3- 9/16	2- 1/32	1.11
801-291	2-1/2X1-1/2	1-5/32	1-23/32	1-5/32	2-31/32	3- 1/8	2-31/32	5-29/32	3-9/16	2-3/8	1.21
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	1.31
801-333 <sup>1</sup>	3X1/2	1- 7/16	2- 7/8	1- 7/16	3- 5/16	3- 3/4	3- 5/16	6- 5/8	4- 3/16	2- 7/8	1.29
801-334 <sup>1</sup>	3X3/4	1- 7/16	2-11/16	1- 7/16	3- 5/16	3-11/16	3- 5/16	6- 5/8	4- 3/16	2- 7/8	1.27
801-335	3X1	7/8	2	7/8	2- 3/4	3- 1/8	2- 3/4	5-1/2	4- 7/32	1-3/4	1.24
801-336 <sup>1</sup>	3X1-1/4	1- 5/8	1-15/16	1- 5/8	3- 5/16	3- 5/8	3- 5/16	6- 5/8	4- 3/16	2- 7/8	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	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- 7/32	2- 7/8	1.64
801-339	3X2-1/2	1- 3/4	1-31/32	1- 3/4	3- 5/8	3-11/16	3- 5/8	7- 1/4	4- 3/16	3-17/32	1.91
801-415 <sup>1</sup>	4X1/2	1-7/16	3-17/32	1-7/16	3-11/16	4-13/32	3-11/16	7-11/32	5-1/4	2-7/8	1.97
801-417	4X1	27/32	2-19/32	27/32	3-1/8	3-23/32	3-1/8	6-1/4	5-1/4	1-3/4	1.91
801-418 <sup>1</sup>	4X1-1/4	1- 1/8	2-31/32	1- 1/8	3-13/32	4- 7/32	3-13/32	6-25/32	5- 1/4	2- 3/8	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	2.03
801-420	4X2	1- 7/16	2- 1/2	1- 7/16	3-11/16	4	3-11/16	7- 3/8	5- 1/4	2- 7/8	2.32
801-421 <sup>1</sup>	4X2-1/2	2- 1/16	2-11/16	2- 1/16	4- 5/16	4- 3/4	4- 5/16	8- 5/8	5- 1/4	4- 1/8	3.38
801-422	4X3	2- 1/8	2-23/32	2- 1/8	4- 3/8	4-19/32	4- 3/8	8-25/32	5- 1/4	4- 3/16	3.01
801-482F <sup>+</sup>	5X1-1/4	4	4-11/16	4	7	6- 3/16	7	14	6- 5/16	2- 1/16	5.98
801-484 <sup>1</sup>	5X1-1/2	3- 5/32	5-17/32	3- 5/32	5-13/16	6-29/32	5-13/16	11- 5/8	6-13/32	6-13/32	8.13
801-484F <sup>+</sup>	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	5.82
801-486 <sup>1</sup>	5X2	3- 5/32	5- 3/32	3- 5/32	5-13/16	6-19/32	5-13/16	11-19/32	6-13/32	6-13/32	8.12
801-486F <sup>+</sup>	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	5.82
801-487 <sup>1</sup>	5X2-1/2	3- 5/32	4-23/32	3- 5/32	5-13/16	6-15/32	5-13/16	11- 5/8	6-13/32	6-13/32	8.12
801-488 <sup>1</sup>	5X3	3- 5/32	4- 5/8	3- 5/32	5-13/16	6- 1/2	5-13/16	11-19/32	6-13/32	6-13/32	7.94
801-490 <sup>1</sup>	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	7.11
801-523 <sup>1</sup>	6X1/2	1- 7/16	4-13/16	1- 7/16	4- 7/16	5-11/16	4- 7/16	8- 7/8	7-19/32	2- 7/8	4.40
801-524 <sup>1</sup>	6X3/4	1	4	1	3-7/8	5	3-7/8	7-3/4	7-9/16	1-3/4	4.38
801-525	6X1	27/32	3-23/32	27/32	3- 7/8	4-27/32	3- 7/8	7- 3/4	7- 9/16	1- 3/4	4.35
801-526 <sup>1</sup>	6X1-1/4	1- 7/16	4- 3/16	1- 7/16	4- 7/16	5-15/32	4- 7/16	8- 7/8	7-19/32	2- 7/8	5.40
801-527 <sup>1</sup>	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	5.35
801-528	6X2	1- 7/16	3-23/32	1- 7/16	4- 7/16	5- 1/4	4- 7/16	8- 7/8	7-19/32	2- 7/8	5.20
801-529 <sup>1</sup>	6X2-1/2	2- 1/16	3-13/16	2- 1/16	5- 1/16	5- 7/8	5- 1/16	10- 1/8	7- 9/16	4- 1/4	6.84
801-530	6X3	2- 1/16	3- 3/4	2- 1/16	5- 3/32	5- 5/8	5- 3/32	10- 3/16	7-19/32	4- 1/4	6.47
801-530F <sup>+</sup>	6X3	4-3/4	5-5/8	4-3/4	8	7-7/8	8	16	7-1/2	4-1/8	8.53
801-532	6X4	2-11/16	3-25/32	2-11/16	5-11/16	6-1/16	5-11/16	11-3/8	7-9/16	5- 1/4	7.42
801-533F <sup>+</sup>	6X5	5- 3/4	6- 1/2	5- 3/4	9	9- 1/2	9	18	7- 1/2	6- 5/16	10.61
801-575 <sup>1</sup>	8X1	4-1/16	7-27/32	4-1/16	7-29/32	8-31/32	7-29/32	15-27/32	9-3/4	7-9/16	12.66

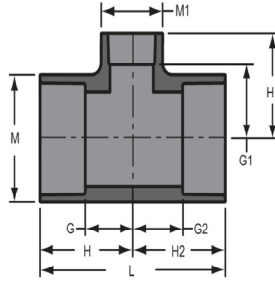


**Schedule 80 Fittings**

**Tee - Reducing**

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
801-578F <sup>+</sup>	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	12.88
801-579F <sup>+</sup>	8X2-1/2	4- 7/8	6-15/16	4- 7/8	9- 1/8	8- 5/16	9- 1/8	18- 1/4	9- 5/8	3- 7/16	13.98
801-580 <sup>1</sup>	8X3	3-23/32	6- 1/2	3-23/32	7- 3/4	8- 3/8	7- 3/4	15- 1/2	9-11/16	7- 1/2	12.35
801-580F <sup>+</sup>	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	14.42
801-582 <sup>1</sup>	8X4	2- 5/8	4-27/32	2- 5/8	6- 5/8	7- 3/32	6- 5/8	13- 1/4	9- 23/32	5- 9/32	11.51
801-582F <sup>+</sup>	8X4	5- 3/4	7-11/16	5- 3/4	10	9-15/16	10	20	9- 5/8	5- 3/16	12.22
801-585	8X6	3-27/32	4-13/16	3-27/32	7-29/32	8	7-29/32	15-27/32	9-23/32	7- 9/16	15.75
801-621F <sup>+</sup>	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	22.37
801-622F <sup>+</sup>	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	23.34
801-623 <sup>1</sup>	10X3	3-25/32	7-17/32	3-25/32	9-25/64	9- 3/8	9-25/64	18-25/32	12- 1/16	7- 9/16	27.04
801-623F <sup>+</sup>	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	22.99
801-624 <sup>1</sup>	10X4	3- 7/8	7- 3/16	3- 7/8	9- 3/8	9- 1/2	9- 3/8	18- 3/4	12- 1/16	7- 9/16	26.87
801-624F <sup>+</sup>	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	24.53
801-626	10X6	3- 7/8	5-27/32	3- 7/8	9- 3/8	8-27/32	9- 3/8	18- 3/4	12- 1/16	7- 9/16	24.20
801-626F <sup>+</sup>	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	27.45
801-628 <sup>1</sup>	10X8	5-15/16	7- 3/4	5-15/16	11- 7/16	11- 3/4	11- 7/16	22- 7/8	12- 1/16	12- 1/16	47.99
801-628F <sup>+</sup>	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	32.94
801-661F <sup>+</sup>	12X2	4- 3/4	8	4- 3/4	11	9- 3/4	11	22	14- 1/8	2-13/16	33.90
801-662F <sup>+</sup>	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	35.57
801-663F <sup>+</sup>	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	35.74
801-664 <sup>1</sup>	12X4	4-11/32	10- 1/8	4-11/32	10-15/16	12- 3/8	10-15/16	21- 7/8	14- 1/4	9-23/32	45.20
801-664F <sup>+</sup>	12X4	5- 3/4	9- 9/16	5- 3/4	12	11-13/16	12	24	14- 1/8	5- 3/16	37.93
801-665F <sup>+</sup>	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	41.81
801-666 <sup>1</sup>	12X6	4-7/8	8-9/16	4-7/8	11-15/32	11-9/16	11-15/32	22-15/16	14-9/32	9-23/32	45.12
801-666F <sup>+</sup>	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	44.03
801-668	12X8	4-7/8	7- 1/2	4-7/8	11-15/32	11-7/16	11-15/32	22-29/32	14- 1/4	9-3/4	40.00
801-668F <sup>+</sup>	12X8	8	10-13/16	8	14- 1/4	15- 1/16	14- 1/4	28- 1/2	14- 1/8	9- 5/8	48.33
801-670F <sup>+</sup>	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	57.04
801-691F <sup>+</sup>	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	44.81
801-692F <sup>+</sup>	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	44.33
801-693F <sup>+</sup>	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	45.79
801-694F <sup>+</sup>	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	49.50
801-696F <sup>+</sup>	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	56.33
801-698F <sup>+</sup>	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	63.20
801-700F <sup>+</sup>	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	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	14-11/32	61.20
801-702F <sup>+</sup>	14X12	11	11- 3/8	11	18	17- 5/8	18	36	15- 1/2	14- 1/8	80.08
801-751F <sup>+</sup>	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	63.28
801-752F <sup>+</sup>	16X2-1/2	6	9-11/16	6	14	11-11/16	14	28	17-11/16	3- 7/16	67.64
801-753F <sup>+</sup>	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	64.31

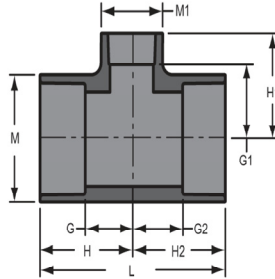
**Schedule 80 Fittings**



**Tee - Reducing**

Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
801-754F <sup>†</sup>	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	64.55
801-756F <sup>†</sup>	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	77.70
801-758F <sup>†</sup>	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	85.11
801-760F <sup>†</sup>	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	93.59
801-762F <sup>†</sup>	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	103.31
801-764F <sup>†</sup>	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	121.40
801-784F <sup>†</sup>	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	96.66
801-786F <sup>†</sup>	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	106.96
801-788F <sup>†</sup>	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	110.40
801-790F <sup>†</sup>	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	119.95
801-792F <sup>†</sup>	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	130.75
801-794F <sup>†</sup>	18X14	12- 3/4	13- 9/16	12- 3/4	21- 3/4	20- 9/16	21- 3/4	43- 1/2	19-11/16	15- 1/2	151.68
801-796F <sup>†</sup>	18X16	13- 1/2	14- 3/16	13- 1/2	22- 1/2	22- 3/16	22- 1/2	45	19-11/16	17-11/16	156.73
801-814F <sup>†</sup>	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	123.17
801-816F <sup>†</sup>	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	133.48
801-818F <sup>†</sup>	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	148.71
801-820F <sup>†</sup>	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	157.48
801-822F <sup>†</sup>	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	171.00
801-824F <sup>†</sup>	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	182.95
801-826F <sup>†</sup>	20X16	14	15- 1/8	14	24	23- 1/8	24	48	22- 1/16	17-11/16	200.42
801-828F <sup>†</sup>	20X18	15	15	15	25	24	25	50	22- 1/16	19- 7/8	218.37
801-904F <sup>†</sup>	24X4	9	14-11/16	9	21	16-15/16	21	42	26- 7/16	5- 3/16	220.00
801-906F <sup>†</sup>	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	221.91
801-908F <sup>†</sup>	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	233.12
801-910F <sup>†</sup>	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	236.36
801-912F <sup>†</sup>	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	264.25
801-914F <sup>†</sup>	24X14	13- 1/4	16- 5/16	13- 1/4	25- 1/4	23- 5/16	25- 1/4	50- 1/2	26- 1/16	15- 1/2	285.14
801-916F <sup>†</sup>	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	295.09
801-918F <sup>†</sup>	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	315.88
801-920F <sup>†</sup>	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	336.80

<sup>†</sup> Sized with Bushing

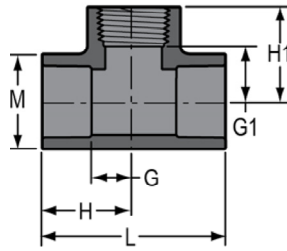
\* Fabricated



## Schedule 80 Fittings

### Tee

Socket x Socket x Fipt

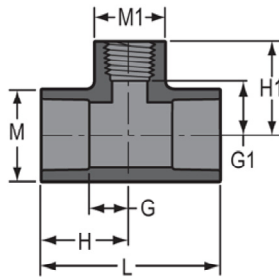


Part Number	Size	G	G1	H	H1	L	M	Approx. Wt. (Lbs.)
802-002	1/4	5/16	3/8	15/16	15/16	1-29/32	7/8	.04
802-005	1/2	19/32	21/32	1-15/32	1-11/32	2-15/16	1-3/16	.11
802-007	3/4	5/8	5/8	1-19/32	1-13/32	3-3/16	1-13/32	.14
802-010	1	11/16	3/4	1-13/16	1-5/8	3-13/16	1-13/16	.23
802-012	1-1/4	13/16	1-1/16	2-3/32	1-15/16	4-5/32	2-3/32	.34
802-015	1-1/2	29/32	1-1/4	2-11/32	2-5/32	4-11/16	2-3/8	.48
802-020	2	1-5/16	1-7/16	2-13/16	2-13/32	5-5/8	2-27/32	.76
802-030	3	1-31/32	2-1/8	3-3/4	3-17/32	7-15/32	4-5/16	2.28
802-040	4	2-11/32	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	13.43
802-080F*	8	4-13/16	10-13/16	8-13/16	12-9/16	17-11/16	9-11/16	25.57

\* 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	25/32	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	1-7/16	.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 <sup>1</sup>	1-1/4X3/4	7/8	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	1-1/32	2-3/32	1-29/32	4-7/32	2-3/32	1-11/16	.33
802-209 <sup>1</sup>	1-1/2X1/2	11/16	1-9/16	2-3/32	2-9/32	4-5/32	2-11/32	1-13/32	.32
802-210 <sup>1</sup>	1-1/2X3/4	7/8	1-27/32	2-1/4	2-19/32	4-1/2	2-3/8	1-11/16	.46
802-211	1-1/2X1	27/32	1-9/32	2-1/4	2-3/32	4-15/32	2-3/8	1-11/16	.60
802-212	1-1/2X1-1/4	1-1/32	1-5/32	2-7/16	2-3/32	4-27/32	2-3/8	2-1/16	.46
802-247	2X1/2	1/2	1-1/2	2	2-7/32	4	2-7/8	1-3/16	.44
802-248	2X3/4	5/8	1-3/8	2-1/8	2-3/32	4-1/4	2-7/8	1-3/8	.46
802-249	2X1	27/32	1-1/2	2-11/32	2-11/32	4-11/16	2-7/8	1-11/16	.54
802-250 <sup>1</sup>	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 <sup>1</sup>	2X1-1/2	1-7/16	2-5/16	2-15/16	3-11/32	5-7/8	2-7/8	2-7/8	.98
802-287	2-1/2X1/2	9/16	1-25/32	2-5/16	2-15/32	4-19/32	3-1/2	1-3/16	.74
802-288 <sup>1</sup>	2-1/2X3/4	27/32	2-11/32	2-21/32	3-5/32	5-9/32	3-9/16	1-13/16	1.02
802-289 <sup>1</sup>	2-1/2X1	1-3/32	2-11/32	2-27/32	3-1/4	5-11/16	3-1/2	2-1/8	1.18

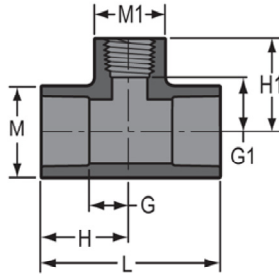
**Schedule 80 Fittings**



**Tee - Reducing**

Socket x Socket x Fipt

(Continued)



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-290 <sup>1</sup>	2-1/2X1-1/4	1- 3/16	2-15/32	2-31/32	3-15/32	5-15/16	3- 1/2	2- 3/8	1.30
802-291 <sup>1</sup>	2-1/2X1-1/2	1- 7/16	2- 1/2	3- 3/16	3- 1/2	6- 3/8	3- 1/2	2- 7/8	1.50
802-292 <sup>1</sup>	2-1/2X2	1- 3/4	3-15/16	3- 1/2	2- 7/8	7	3-15/32	3-15/32	1.84
802-333 <sup>1</sup>	3X1/2	7/8	2-11/16	2- 3/4	3- 7/16	5- 1/2	4- 1/8	1-23/32	1.30
802-334 <sup>1</sup>	3X3/4	7/8	2-19/32	2- 3/4	3-11/32	5- 1/2	4- 3/16	1- 3/4	1.28
802-335 <sup>1</sup>	3X1	1- 3/16	2-31/32	3- 1/16	3- 7/8	6- 1/8	4- 1/8	2-11/32	1.58
802-337 <sup>1</sup>	3X1-1/2	1- 7/16	2-23/32	3- 5/16	3-23/32	6- 5/8	4- 1/4	2-29/32	1.83
802-338 <sup>1</sup>	3X2	2- 3/32	3-11/32	3-31/32	4- 3/8	7-15/16	4- 5/32	4- 5/32	2.70
802-339 <sup>1</sup>	3X2-1/2	2- 3/32	2- 3/4	3-31/32	4- 5/16	7-15/16	4- 1/8	4- 1/8	2.60
802-415 <sup>1</sup>	4X1/2	1- 7/16	3- 5/8	3-11/16	4- 3/8	7- 3/8	5- 1/4	2- 7/8	1.97
802-416 <sup>1</sup>	4X3/4	1-15/32	3-27/32	3-23/32	4-17/32	7- 7/16	5- 1/4	2- 7/8	1.96
802-417 <sup>1</sup>	4X1	1- 7/16	3-17/32	3-23/32	4-13/32	7-13/32	5- 1/4	2- 7/8	2.17
802-419 <sup>1</sup>	4X1-1/2	3-11/16	3- 1/2	3-11/16	3-31/32	7- 3/8	5- 1/4	2- 7/8	2.50
802-420 <sup>1</sup>	4X2	2- 1/8	4- 1/32	4- 3/8	5- 1/32	8-25/32	5- 1/4	4- 3/16	3.56
802-421 <sup>1</sup>	4X2-1/2	2- 1/8	3-15/32	4- 3/8	5	8-25/32	5- 1/4	4- 3/16	3.47
802-422 <sup>1</sup>	4X3	2- 5/8	3- 5/8	4- 7/8	5- 1/4	9- 3/4	5- 1/4	5- 1/4	4.37
802-525 <sup>1</sup>	6X1	2- 1/16	5- 3/16	5- 3/32	6- 1/16	10- 5/32	7-19/32	4- 1/4	5.46
802-528F <sup>**</sup>	6X2	4- 5/8	5- 1/8	7- 7/8	6- 9/16	15- 3/4	7- 1/2	3	8.16
802-529 <sup>1</sup>	6X2-1/2	2- 1/16	4-21/32	5- 3/32	6- 3/16	10- 5/32	7-19/32	4- 1/4	6.93
802-530 <sup>1</sup>	6X3	2-11/16	4- 3/4	5- 9/16	6- 3/8	11- 1/8	7- 1/2	5- 1/4	8.29
802-532F <sup>**</sup>	6X4	5- 1/4	6- 3/4	8- 1/2	8- 1/4	17	7- 1/2	5- 3/16	10.10
802-578F <sup>2</sup>	8X2	4-11/16	6- 1/16	8-15/16	7- 1/2	17- 7/8	9- 5/8	3	13.50
802-580F <sup>2</sup>	8X3	5- 3/16	7	9- 7/16	8- 7/16	18- 7/8	9- 5/8	4- 1/8	14.91
802-582F <sup>**</sup>	8X4	5- 3/4	7-11/16	10	9- 1/8	20	9- 5/8	5- 3/16	12.74
802-621F <sup>2</sup>	10X2	4- 3/8	7- 9/16	9- 5/8	8-15/16	19- 1/4	11-15/16	3	22.86
802-623F <sup>2</sup>	10X3	4- 7/8	8- 3/16	10- 1/8	9- 5/8	20- 1/4	11-15/16	4- 1/8	23.34
802-624F <sup>**</sup>	10X4	5- 3/8	8-13/16	10- 5/8	10- 5/16	21- 1/4	11-15/16	5- 3/16	26.16
802-661F <sup>2</sup>	12X2	4- 3/4	8- 7/16	11	9-13/16	22	14- 1/8	3	34.15
802-663F <sup>2</sup>	12X3	5- 1/4	9- 1/4	11- 1/2	10-11/16	23	14- 1/8	4- 1/8	36.32
802-664F <sup>2</sup>	12X4	5- 3/4	9-15/16	12	11- 7/16	24	14- 1/8	5- 3/16	38.44

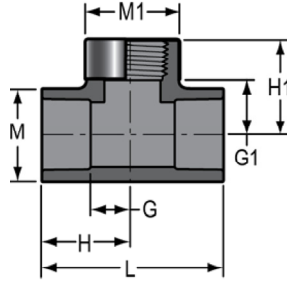
<sup>1</sup> Sized with Bushing  
<sup>2</sup> Fiberglass reinforced.  
<sup>\*</sup> Fabricated



## Schedule 80 Fittings

### Tee - Special Reinforced

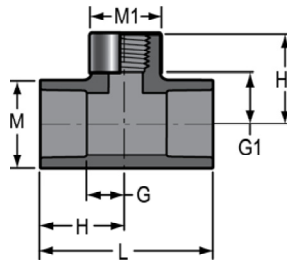
Socket x Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005SR	1/2	5/8	5/8	1-15/32	1-3/8	2-15/16	1-7/32	1-7/32	.12
802-007SR	3/4	19/32	11/16	1-19/32	1-13/32	3-3/16	1-13/32	1-13/32	.15
802-010SR	1	21/32	11/16	1-13/16	1-5/8	3-5/8	1-23/32	1-11/16	.27
802-012SR	1-1/4	13/16	1-1/16	2-3/32	1-15/16	4-3/16	2-3/32	2-1/16	.36
802-015SR	1-1/2	15/16	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	1-1/2	2-13/16	2-13/32	5-21/32	2-7/8	3-1/32	.80
802-030SR	3	1-27/32	2-3/32	3-23/32	3-17/32	7-7/16	4-9/32	4-9/32	2.33
802-040SR	4	2-11/32	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	1-5/16	2-7/8	1-3/8	27/32	.11
802-101SR	3/4X1/2	19/32	25/32	1-19/32	1-7/16	3-7/32	1-13/32	1-3/16	.14
802-128SR <sup>1</sup>	1X1/4	7/8	2-5/8	2	2-11/16	4	2-3/32	27/32	.33
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	7/8	1-13/16	1-19/32	3-19/32	1-23/32	1-3/8	.21
802-164SR <sup>1</sup>	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	1-1/32	2-3/32	1-29/32	4-7/32	2-3/32	1-11/16	.34
802-207SR <sup>1</sup>	1-1/2X1/4	27/32	1-31/32	2-1/4	2-19/32	4-15/32	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	4-27/32	2-3/8	2-1/16	.49
802-247SR	2X1/2	1/2	1-1/2	2	2-1/4	4	2-7/8	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	9/16	1-3/4	2-5/16	2-1/2	4-19/32	3-1/2	1-7/32	.75
802-331SR <sup>1</sup>	3X1/4	1-13/32	4-1/2	3-5/16	5-1/32	6-9/16	4-3/16	27/32	1.32
802-413SR <sup>1</sup>	4X1/4	1-7/16	5-3/16	3-11/16	5-25/32	7-3/8	5-1/4	27/32	1.99

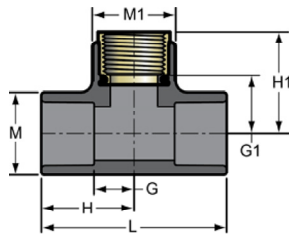
<sup>1</sup> Sized with Bushing

**Schedule 80 Fittings**



**Tee - Brass Transition**

Socket x Socket x Fipt With Brass Thread Insert

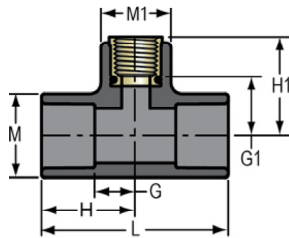


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-005BR	1/2	7/8	31/32	1- 7/16	1-17/32	2- 5/8	1- 5/32	1- 7/32	.16
802-007BR	3/4	17/32	1- 5/32	1-17/32	1-13/16	3- 1/16	1-13/32	1- 3/8	.24

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

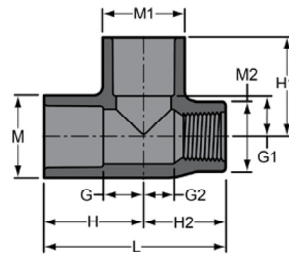


Part Number	Size	G	G1	H	H1	L	M	M1	Approx. Wt. (Lbs.)
802-072BR	1/2X1/4	7/16	7/8	1- 5/16	1-17/32	2- 5/8	1- 3/16	1- 3/16	.11
802-101BR	3/4X1/2	7/16	1- 1/32	1- 7/16	1- 5/8	2-29/32	1-13/32	1- 3/16	.18

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	Approx. Wt. (Lbs.)
803-095	3/4X1/2X3/4	11/16	11/16	11/16	1-11/16	1-11/16	1- 3/8	3- 3/32	1-13/32	1-13/32	.14

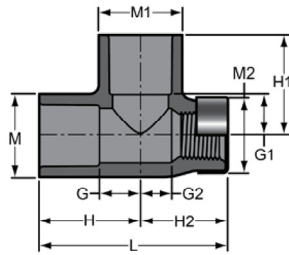




## Schedule 80 Fittings

### Tee - Special Reinforced Reducing

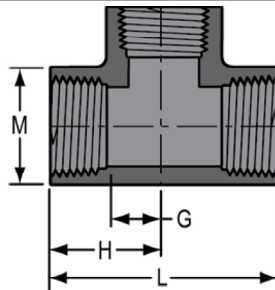
Socket x SR Fipt - Stainless Steel Collar x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	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	.15

### Tee

Fipt x Fipt x Fipt

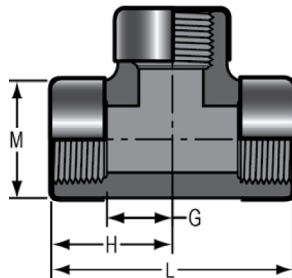


Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-002	1/4	1/2	1- 3/32	2- 3/16	27/32	.05
805-003	3/8	9/16	1- 5/32	2- 5/16	15/16	.07
805-005	1/2	17/32	1- 1/4	2-15/32	1- 3/16	.11
805-007	3/4	21/32	1-15/32	2-15/16	1- 1/2	.19
805-010	1	3/4	1-23/32	3- 7/16	1-27/32	.33
805-012	1-1/4	15/16	1-31/32	3-29/32	2- 1/4	.47
805-015	1-1/2	1- 1/8	2- 3/16	4- 3/8	2-13/32	.59
805-020	2	1- 5/8	2- 5/8	5- 1/4	3	1.07
805-025	2-1/2	1- 9/16	3- 1/8	6- 1/4	3-19/32	1.66
805-030	3	1-15/16	3- 9/16	7- 3/32	4-11/32	2.80
805-040	4	2-1/2	4- 7/32	8- 7/16	5-7/16	4.37
805-060F*	6	8-5/8	10-1/8	20-1/4	7- 3/16	19.03

\* 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	19/32	1- 3/16	2-11/32	31/32	.06
805-005SR	1/2	1/2	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

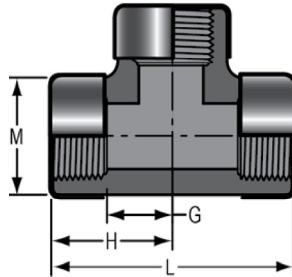
**Schedule 80 Fittings**



**Tee - Special Reinforced**

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

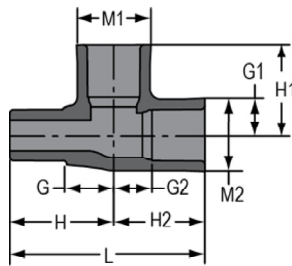
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Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
805-010SR	1	7/8	1-25/32	3-9/16	1-11/16	.31
805-015SR	1-1/2	1-1/4	2-3/16	4-13/32	2-13/32	.66
805-020SR	2	1-5/8	2-5/8	5-1/4	3	1.16

**Tee - Street**

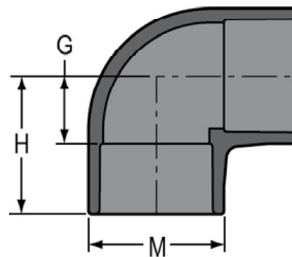
Spigot x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M1	Approx. Wt. (Lbs.)
844-005	1/2	23/32	23/32	1/2	1-19/32	1-21/32	1-19/32	3-5/32	1-3/16	.10
844-007	3/4	13/16	27/32	7/8	1-13/16	1-7/8	1-13/16	3-5/8	1-13/32	.15
844-010	1	1-3/32	13/16	13/16	2-7/32	2	2	4-7/32	1-3/4	.25
844-012	1-1/4	1-1/4	1-5/32	1-1/8	2-7/16	2-5/16	2-7/16	4-7/8	2-3/32	.38
844-015	1-1/2	1-13/16	1-1/8	1-1/8	2-7/8	2-9/16	2-9/16	5-11/32	2-11/32	.51
844-020	2	1-23/32	1-7/16	1-13/32	3-1/4	2-15/16	2-15/16	6-5/32	2-7/8	.78

**90° EII**

Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-002	1/4	11/32	1	13/16	.03
806-003	3/8	15/32	1-1/4	31/32	.04
806-005	1/2	9/16	1-15/32	1-3/16	.07
806-007	3/4	5/8	1-11/16	1-7/16	.12
806-010	1	7/8	2	1-3/4	.19
806-012	1-1/4	1-1/32	2-9/32	2-1/8	.29
806-015	1-1/2	1-5/32	2-9/16	2-3/8	.39
806-020	2	1-13/32	2-15/16	2-7/8	.60
806-025	2-1/2	1-9/16	3-11/32	3-15/32	1.07

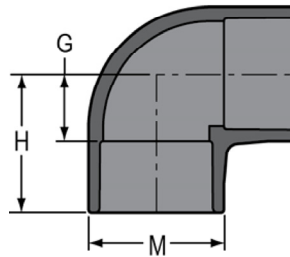


**Schedule 80 Fittings**

**90° EII**

Socket x Socket

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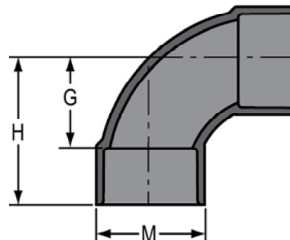


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-030	3	2- 1/16	3-31/32	4- 3/16	1.62
806-040	4	2-19/32	4-27/32	5- 1/4	2.80
806-045F*	4-1/2	6- 1/2	9	5- 5/8	4.86
806-050	5	3	5- 3/4	6- 3/8	4.30
806-050F*	5	5- 1/2	8- 1/2	6- 5/16	6.22
806-060	6	3- 3/4	6- 3/4	7-19/32	7.47
806-080	8	4-25/32	8-25/32	9- 3/4	14.30
806-080F*	8	8-1/2	12-3/4	9-5/8	13.62
806-100	10	5-25/32	10-13/16	12-5/32	26.34
806-100F*	10	10	15- 1/4	11-15/16	30.83
806-120	12	6-27/32	12-29/32	14-3/8	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	15-11/16	54.20
806-140F*	14	13- 1/2	20- 1/2	15- 1/2	70.94
806-160F*	16	15- 9/16	23- 9/16	17-11/16	101.70
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



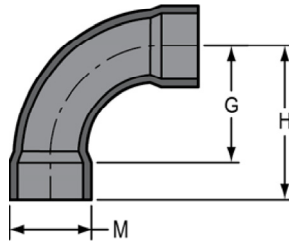
Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005S	1/2	27/32	1-23/32	1- 3/16	.07
806-007S	3/4	1- 1/32	2- 1/32	1-13/32	.11
806-010S	1	1- 5/16	2- 7/16	1-23/32	.19
806-012S	1-1/4	1- 9/16	2-13/16	2- 3/32	.29
806-015S	1-1/2	1- 3/4	3- 1/8	2-11/32	.38
806-020S	2	2- 5/16	3-13/16	2- 7/8	.64

**Schedule 80 Fittings**



**90° EII - Long Sweep**

Socket x Socket

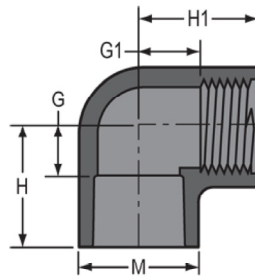


Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
806-005LSF*	1/2	1- 7/8	2- 3/4	1- 1/8	.12
806-007LSF*	3/4	2- 7/16	3- 7/16	1- 7/16	.22
806-010LSF*	1	2- 7/8	4	1-11/16	.37
806-012LSF*	1-1/4	3- 5/8	4- 7/8	2- 1/16	.55
806-015LSF*	1-1/2	4- 1/8	5- 1/2	2- 5/16	.59
806-020LSF*	2	4- 3/4	6- 5/16	2-13/16	1.00
806-025LSF*	2-1/2	5- 3/4	7- 3/4	3- 7/16	1.56
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

\* Fabricated

**90° EII**

Socket x Fipt



Part Number	Size	G	G1	H	H1	M	Approx. Wt. (Lbs.)
807-002	1/4	5/16	5/16	15/16	15/16	7/8	.03
807-003	3/8	1/4	3/8	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	5/8	5/8	1- 9/16	1- 9/16	1- 3/8	.10
807-010	1	11/16	25/32	1-13/16	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	15/16	1- 1/32	2- 7/16	2	3	.80
807-030	3	1-27/32	2- 7/32	3-23/32	3- 9/16	4- 9/32	1.92
807-040	4	2- 5/16	2- 7/8	4- 9/16	4- 9/32	5- 1/4	2.86
807-060 <sup>1</sup>	6	3- 3/4	7- 1/8	6- 3/4	8- 7/8	7- 9/16	10.35

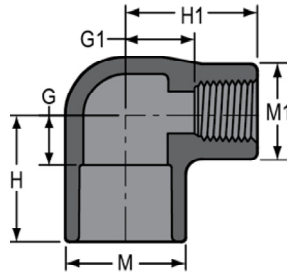
<sup>1</sup> Thread outlet sized with Female Adapter



## Schedule 80 Fittings

### 90° EII - Reducing

Socket x Fipt

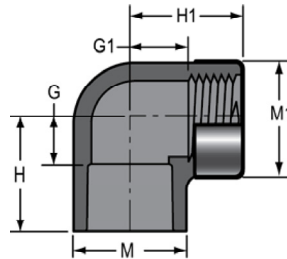


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101	3/4X1/2	1/2	25/32	1-17/32	1-17/32	1-13/32	1-3/16	.11
807-130 <sup>1</sup>	1X1/2	27/32	1-17/32	1-31/32	2- 1/4	1-23/32	1-23/32	.25
807-131 <sup>1</sup>	1X3/4	7/8	1-17/32	2	2- 1/4	1- 3/4	1- 3/4	.24

<sup>1</sup> Sized with Bushing

### 90° EII - Special Reinforced

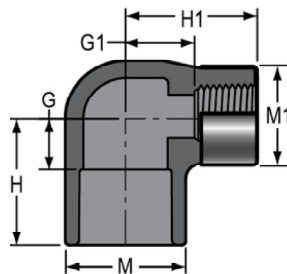
Socket x SR Fipt - Stainless Steel Collar



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	31/32	1- 5/32	2- 3/8	2- 1/8	2-11/32	2- 7/16	.40
807-020SR	2	1- 7/32	1- 1/2	2-15/32	2- 7/16	2-31/32	2-31/32	.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



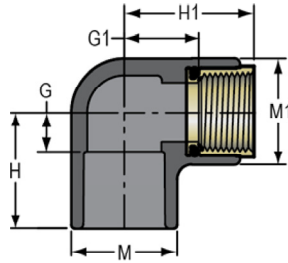
Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101SR	3/4X1/2	1/2	13/16	1-17/32	1-17/32	1-13/32	1- 3/16	.11
807-130SR	1X1/2	9/16	1	1-23/32	1- 5/8	1-23/32	1- 3/16	.13

**Schedule 80 Fittings**



**90° EII - Brass Transition**

Socket x Fipt With Brass Thread Insert

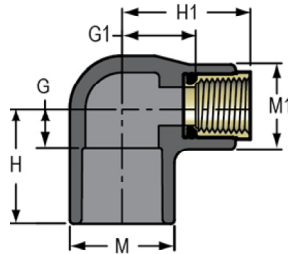


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-005BR	1/2	13/32	31/32	1- 9/32	1-17/32	1- 5/32	1- 3/16	.14
807-007BR	3/4	1/2	1- 5/32	1- 1/2	1-25/32	1- 3/8	1-13/32	.20

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

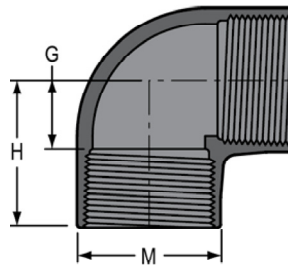


Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
807-101BR	3/4X1/2	15/32	1- 3/32	1- 15/32	1- 21/32	1-13/32	1- 3/16	.16

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

**90° EII**

Fipt x Fipt



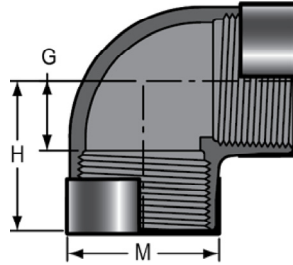
Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-002	1/4	11/32	15/16	7/8	.03
808-003	3/8	9/16	1- 5/32	15/16	.05
808-005	1/2	1/2	1- 7/32	1- 9/32	.08
808-007	3/4	5/8	1- 3/8	1- 3/8	.11
808-010	1	25/32	1- 5/8	1-23/32	.20
808-012	1-1/4	7/8	1- 7/8	2- 1/16	.30
808-015	1-1/2	1- 5/32	2- 3/32	2- 7/16	.46
808-020	2	1- 9/16	2-17/32	3	.85
808-025	2-1/2	1- 5/8	3- 3/16	3- 9/16	1.20
808-030	3	1-29/32	3-17/32	4-13/32	2.29
808-040	4	2-15/32	4-3/16	5-15/32	3.34



## Schedule 80 Fittings

### 90° EII - Special Reinforced

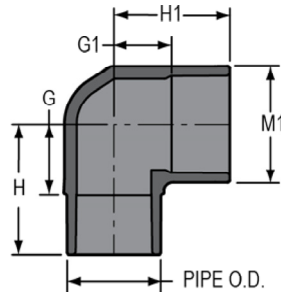
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
808-003SR	3/8	9/16	1- 5/32	15/16	.05
808-005SR	1/2	1/2	1- 7/32	1- 3/16	.10
808-007SR	3/4	5/8	1- 3/8	1- 3/8	.13
808-010SR	1	25/32	1-11/16	1-23/32	.22
808-012SR	1-1/4	15/16	1- 7/8	2- 1/16	.33
808-015SR	1-1/2	1- 1/32	2- 1/8	2- 7/16	.50
808-020SR	2	1-19/32	2- 1/2	3	.92

### 90° Street EII

Spigot x Socket



Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
809-005	1/2	13/16	7/16	1-21/32	1- 7/16	1- 5/32	.07
809-007	3/4	29/32	11/16	1-27/32	1-11/16	1- 3/8	.11
809-010	1	1-3/32	27/32	2- 7/32	2	1-23/32	.19
809-012	1-1/4	1- 9/32	13/16	2-19/32	2- 1/4	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- 3/4	1- 7/16	3- 1/4	2-31/32	2- 7/8	.59
809-025	2-1/2	2-1/2	1-5/8	4-1/2	3-3/8	3-7/16	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	3-1/16	2-5/8	5-11/32	4-29/32	5- 1/4	2.85
809-060	6	5- 1/4	3- 7/8	8- 1/2	6- 7/8	7- 9/16	9.03
809-080	8	8	5	12	8-7/8	9- 3/4	16.85
809-100	10	8- 5/8	5-13/16	14- 5/16	11- 3/8	12- 1/16	33.74
809-120	12	10-1/4	7	17	13-1/16	14-3/8	53.96
809-140	14	11-1/16	7-9/16	18-5/16	14-5/8	15-11/16	63.10

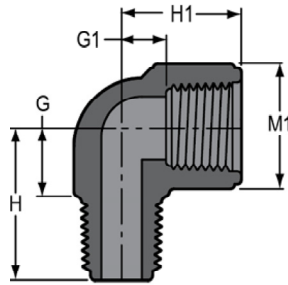


**Schedule 80 Fittings**



**90° Street Ell**

Mipt x Fipt

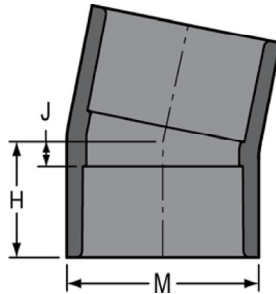


Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
812-002	1/4	9/16	5/16	1-1/16	29/32	13/16	.02
812-005 <sup>1</sup>	1/2	11/16	13/32	1-11/32	1- 5/32	1- 3/16	.05
812-007	3/4	7/8	17/32	1-1/2	1-9/32	1-7/16	.08
812-010 <sup>1</sup>	1	1- 1/32	21/32	1-13/16	1- 9/16	1- 3/4	.15
812-012 <sup>1</sup>	1-1/4	2- 9/16	1	3- 9/32	1-31/32	2- 7/32	.39
812-015 <sup>1</sup>	1-1/2	2-11/16	1- 1/4	3- 7/16	2- 1/8	2-13/32	.53

<sup>1</sup> Sized with Adapter

**11-1/4° Ell**

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
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 <sup>*</sup>	2-1/2	2-11/16	11/16	3- 7/16	.81
811-030	3	2- 3/16	5/16	4- 1/8	.87
811-040	4	2-21/32	13/32	5- 1/4	1.52
811-045F <sup>*</sup>	4-1/2	3- 1/2	1	5- 5/8	2.31
811-050F <sup>*</sup>	5	3-13/16	13/16	6- 5/16	2.84
811-060F <sup>*</sup>	6	4- 1/4	1	7- 1/2	4.42
811-080F <sup>*</sup>	8	5- 3/8	1- 1/8	9- 5/8	6.56
811-100F <sup>*</sup>	10	6-11/16	1- 7/16	11-15/16	14.94
811-120F <sup>*</sup>	12	7-13/16	1- 9/16	14- 1/8	25.13
811-140F <sup>*</sup>	14	9	2	15- 1/2	33.00
811-160F <sup>*</sup>	16	10- 3/8	2- 3/8	17-11/16	48.73
811-180F <sup>*</sup>	18	11- 3/4	2- 3/4	19- 7/8	71.78
811-200F <sup>*</sup>	20	13- 1/8	3- 1/8	22- 1/16	96.58
811-240F <sup>*</sup>	24	15-13/16	3-13/16	26- 7/16	179.55

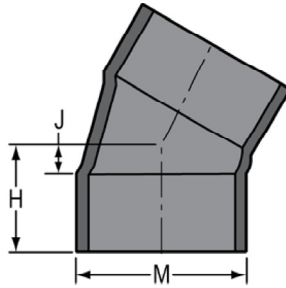
<sup>\*</sup> Fabricated



**Schedule 80 Fittings**

**30° EII**

Socket x Socket

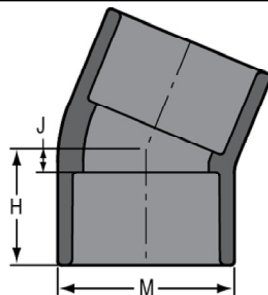


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
815-005F*	1/2	1- 7/16	7/16	1- 1/8	.08
815-007F*	3/4	1- 7/16	7/16	1- 3/8	.11
815-010F*	1	1- 3/4	1/2	1-11/16	.13
815-012F*	1-1/4	2- 3/16	11/16	2- 1/16	.27
815-015F*	1-1/2	2- 3/16	11/16	2- 5/16	.33
815-020F*	2	2- 1/2	3/4	2-13/16	.54
815-025F*	2-1/2	3	1	3- 7/16	.81
815-030F*	3	3- 5/16	1- 1/16	4- 1/8	1.34
815-040F*	4	3- 7/16	1- 3/16	5- 3/16	2.08
815-045F*	4-1/2	4	1- 1/2	5- 5/8	2.78
815-050F*	5	4- 3/8	1- 3/8	6- 5/16	3.09
815-060	6	4-13/16	1- 7/8	7- 9/16	5.59
815-080F*	8	6- 3/16	1-15/16	9- 5/8	7.57
815-100F*	10	7- 3/4	2- 1/2	11-15/16	16.93
815-120F*	12	9- 1/16	2-13/16	14- 1/8	27.92
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	55.09
815-180F*	18	13- 7/16	4- 7/16	19- 7/8	77.09
815-200F*	20	15	5	22- 1/16	119.89
815-240F*	24	18- 1/8	6- 1/8	26- 7/16	15.46

\* Fabricated

**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	3/16	1- 7/16	.08
816-010	1	1- 3/8	9/32	1-23/32	.13
816-010F*	1	1-3/4	1/2	1-11/16	.15
816-015F*	1-1/2	2- 1/8	5/8	2- 5/16	.28
816-012	1-1/4	1- 1/2	5/16	2- 3/32	.19
816-015	1-1/2	1-21/32	1/4	2- 3/8	.25
816-020	2	1- 7/8	7/16	2- 7/8	.38

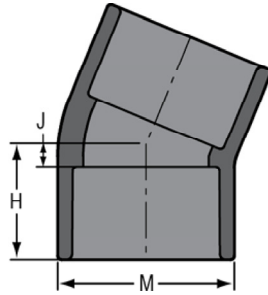
**Schedule 80 Fittings**



**22-1/2° EII**

Socket x Socket

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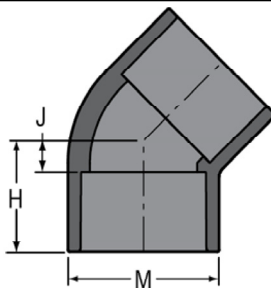


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
816-025	2-1/2	2- 7/32	15/32	3- 1/2	.68
816-025F*	2-1/2	2- 7/8	7/8	3- 7/16	.83
816-030	3	2-13/32	9/16	4- 5/32	.96
816-040	4	2- 7/8	5/8	5- 1/4	1.64
816-045F*	4-1/2	3-13/16	1- 5/16	5- 5/8	2.55
816-050F*	5	4- 1/8	1- 1/8	6- 5/16	3.14
816-060	6	4- 9/16	1- 3/8	7- 7/16	4.33
816-060F*	6	4- 5/8	1- 3/8	7- 1/2	4.87
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	15.94
816-120F*	12	8- 9/16	2- 5/16	14- 1/8	26.53
816-140F*	14	9-13/16	2-13/16	15- 1/2	36.29
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	119.89
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	31/32	7/32	1	.03
817-005	1/2	1- 1/8	1/4	1- 3/16	.06
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	2-13/32	21/32	3- 1/2	.85
817-030	3	2-29/32	29/32	4- 5/32	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

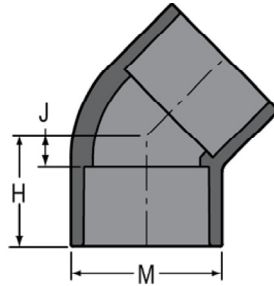


**Schedule 80 Fittings**

**45° EII**

Socket x Socket

(Continued)

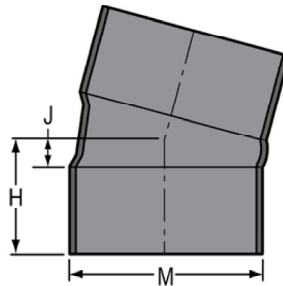


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
817-050	5	4	1-11/32	6-13/32	3.28
817-050F*	5	4- 7/8	1- 7/8	6- 5/16	3.74
817-060	6	4- 3/4	1- 3/4	7-19/32	5.46
817-080	8	6	2	9- 3/4	10.16
817-100	10	7-5/8	2-19/32	12-1/8	18.98
817-100F*	10	8-11/16	3- 7/16	11-15/16	17.37
817-120	12	9-3/16	3-1/8	14-3/8	31.85
817-120F*	12	10- 1/8	3- 7/8	14- 1/8	30.72
817-140	14	10- 5/16	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	61.44
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	204.20

\* Fabricated

**15° EII**

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-020F*	2	2- 5/16	9/16	2-13/16	.38
818-025F*	2-1/2	2- 3/4	3/4	3- 7/16	.79
818-030F*	3	3	3/4	4- 1/8	1.17
818-040F*	4	3- 1/8	7/8	5- 3/16	1.62
818-045F*	4-1/2	3- 5/8	1- 1/2	5- 5/8	2.31
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	4.42
818-080F*	8	4- 1/2	1- 1/4	9- 5/8	6.56
818-100F*	10	6-15/16	1-11/16	11-15/16	14.94
818-120F*	12	8- 1/16	1-13/16	14- 1/8	25.13
818-140F*	14	9- 5/16	2- 5/16	15- 1/2	34.64
818-160F*	16	10-11/16	2-11/16	17-11/16	50.85
818-180F*	18	12- 1/16	3- 1/16	19- 7/8	71.78

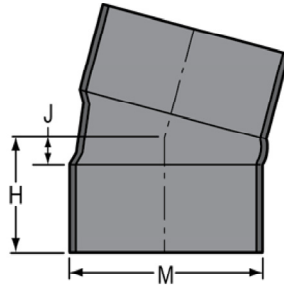
**Schedule 80 Fittings**



**15° EII**

Socket x Socket

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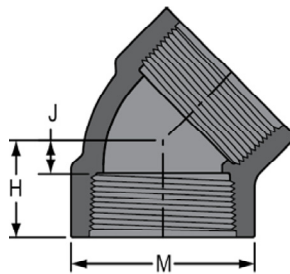


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
818-200F*	20	13- 1/2	3- 1/2	22- 1/16	119.89
818-240F*	24	16- 1/4	4- 1/4	26- 7/16	170.96

\* Fabricated

**45° EII**

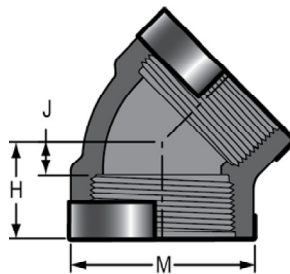
Fipt x Fipt



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-002	1/4	25/32	3/16	27/32	.02
819-003	3/8	13/16	3/16	1	.03
819-005	1/2	31/32	5/16	1- 3/16	.06
819-007	3/4	1- 3/32	13/32	1- 3/8	.08
819-010	1	1- 7/32	7/32	1-11/16	.14
819-012	1-1/4	1- 7/16	7/16	2- 3/16	.23
819-015	1-1/2	1- 1/2	15/32	2- 1/2	.31
819-020	2	1-23/32	21/32	3	.46
819-025	2-1/2	2-17/32	31/32	3- 1/2	1.08
819-030	3	2-23/32	1	4- 9/32	1.77
819-040	4	3- 1/4	1- 7/32	5- 1/4	2.70

**45° EII - Special Reinforced**

SR Fipt x SR Fipt - Stainless Steel Collar



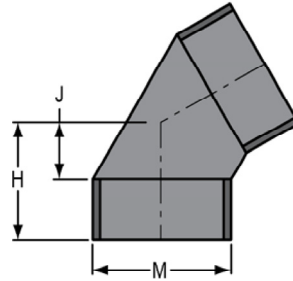
Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
819-005SR	1/2	1	5/16	1- 3/16	.08
819-007SR	3/4	1- 1/8	13/32	1- 3/8	.10
819-010SR	1	1- 1/4	13/32	1-23/32	.17



**Schedule 80 Fittings**

**60° EII**

Socket x Socket

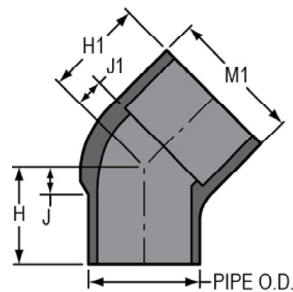


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
824-005F <sup>*</sup>	1/2	1- 5/8	5/8	1- 1/8	.08
824-007F <sup>*</sup>	3/4	1-11/16	11/16	1- 3/8	.17
824-010F <sup>*</sup>	1	2	3/4	1-11/16	.33
824-012F <sup>*</sup>	1-1/4	2- 1/2	1	2- 1/16	.26
824-015F <sup>*</sup>	1-1/2	2- 5/8	1- 1/8	1- 3/8	.39
824-020F <sup>*</sup>	2	3	1- 1/4	2-13/16	.62
824-025F <sup>*</sup>	2-1/2	3- 9/16	1- 9/16	3- 7/16	.72
824-030F <sup>*</sup>	3	4	1- 3/4	4- 1/8	1.67
824-040F <sup>*</sup>	4	4- 5/16	2- 1/16	5- 3/16	2.31
824-060F <sup>*</sup>	6	6- 1/8	2- 7/8	7- 1/2	5.85
824-080F <sup>*</sup>	8	7- 3/4	3- 1/2	9- 5/8	18.81
824-100F <sup>*</sup>	10	9-11/16	4- 7/16	11-15/16	20.92
824-120F <sup>*</sup>	12	11- 5/16	5- 1/16	14- 1/8	33.51
824-140F <sup>*</sup>	14	12-15/16	5-15/16	15- 1/2	41.18
824-160F <sup>*</sup>	16	14-13/16	6-13/16	17-11/16	108.06
824-180F <sup>*</sup>	18	16- 3/4	7- 3/4	19- 7/8	95.70
824-200F <sup>*</sup>	20	23-11/16	13-11/16	22- 1/16	129.88
824-240F <sup>*</sup>	24	28-11/16	16-11/16	26- 7/16	223.19

\* Fabricated

**45° Street EII**

Spigot x Socket



Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
827-005	1/2	1- 9/32	1- 5/16	11/32	7/16	1- 3/16	.05
827-007	3/4	1- 1/2	1- 1/2	7/16	1/2	1-13/32	.09
827-010	1	1-25/32	1- 1/2	19/32	3/8	1- 3/4	.14
827-012	1-1/4	2	1-23/32	5/8	15/32	2- 3/32	.22
827-015	1-1/2	2- 1/32	2- 1/8	19/32	25/32	2-11/32	.29
827-020	2	2- 5/16	2-11/32	11/16	3/8	2-27/32	.43
827-025	2-1/2	3-11/16	2- 9/16	1-11/16	13/16	3- 1/2	1.09
827-030	3	3- 1/4	2-13/16	1- 3/16	29/32	4- 5/32	1.18
827-040	4	3-13/16	3-13/16	1- 9/32	1- 9/16	5- 1/4	2.14
827-060	6	5- 3/32	4-25/32	2- 1/16	2- 1/16	7-19/32	5.69

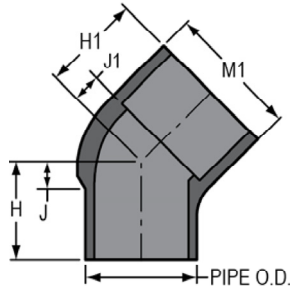
**Schedule 80 Fittings**



**45° Street Ell**

(Continued)

Spigot x Socket

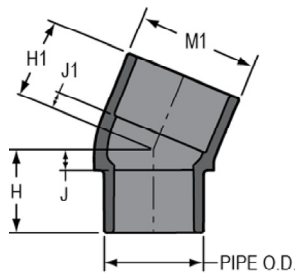


Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
827-080	8	6- 5/8	5-31/32	2-19/32	1- 3/4	9- 3/4	10.52
827-100	10	10-21/32	8- 3/16	2-19/32	5- 5/16	12- 3/16	25.57
827-120	12	13- 1/4	9-11/16	6- 3/8	3- 3/32	14-13/32	43.10
827-140F*	14	11- 9/16	11- 9/16	4- 9/16	4- 9/16	15- 1/2	61.04
827-160F*	16	18- 5/16	13- 5/16	9- 5/16	5- 5/16	17-11/16	78.40
827-180F*	18	20- 1/2	15	10- 1/2	6	19- 7/8	114.31
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	261.18

\* Fabricated

**22-1/2° Street Ell**

Spigot x Socket



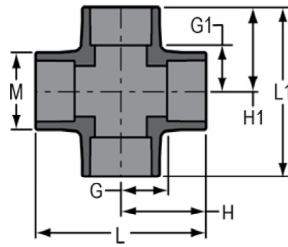
Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
842-005	1/2	7/8	1	1/8	1/8	1- 3/16	.04
842-007	3/4	1- 1/4	1- 5/32	3/16	3/16	1- 3/8	.07
842-010	1	1- 7/16	1-11/32	5/16	7/32	1-23/32	.12
842-012	1-1/4	1- 9/16	1- 9/16	5/16	3/8	2- 3/32	.19
842-015	1-1/2	1-21/32	1- 7/8	9/32	1/2	2- 3/8	.25
842-020	2	2	1-29/32	15/32	13/32	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- 1/2	2- 5/16	21/32	7/16	4- 5/32	.96
842-040	4	2-27/32	3- 1/32	9/16	25/32	5- 1/4	1.64
842-060	6	5-11/16	3-15/16	2- 3/8	7/8	7- 5/8	6.54
842-080	8	7- 3/8	5- 1/8	3- 1/8	1- 1/8	9- 3/4	11.05



## Schedule 80 Fittings

### Cross

Socket x Socket x Socket x Socket

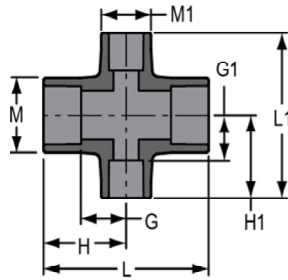


Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-002	1/4	13/32	13/32	1- 1/32	1- 1/32	2- 1/16	2- 1/16	27/32	27/32	.04
820-005	1/2	9/16	9/16	1-15/32	1-15/32	2-15/16	2-15/16	1- 3/16	1- 3/16	.12
820-007	3/4	5/8	5/8	1- 5/8	1- 5/8	3- 9/32	3- 9/32	1-13/32	1-13/32	.21
820-010	1	31/32	31/32	2- 3/32	2- 3/32	4- 7/32	4- 7/32	1-23/32	1-23/32	.42
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	3-15/32	3-15/32	6-29/32	6-29/32	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	5-11/32	5-11/32	5.30
820-060F <sup>*</sup>	6	6- 1/4	6- 1/4	9- 1/2	9- 1/2	19	19	7- 1/2	7- 1/2	15.05
820-080F <sup>*</sup>	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	21.20
820-100F <sup>*</sup>	10	9	9	14- 1/4	14- 1/4	28- 1/2	28- 1/2	11-15/16	11-15/16	49.81
820-120F <sup>*</sup>	12	11- 1/4	11- 1/4	17- 1/2	17- 1/2	35	35	14- 1/8	14- 1/8	86.58
820-140F <sup>*</sup>	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 <sup>*</sup>	16	13	13	21	21	42	42	17-11/16	17-11/16	156.80
820-180F <sup>*</sup>	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	215.34
820-200F <sup>*</sup>	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	306.39
820-240F <sup>*</sup>	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	527.12

\* Fabricated

### Cross - Reducing

Socket x Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-130 <sup>1</sup>	1X1/2	1	1- 7/16	2- 1/8	2- 3/8	4- 7/32	4- 3/4	1-23/32	1-23/32	.53
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 <sup>1</sup>	1-1/4X1/2	1- 3/32	1- 3/32	2- 3/8	2-11/16	4- 3/4	5- 3/16	3- 3/32	3- 3/32	.84
820-167	1-1/4X3/4	1- 1/16	23/32	2- 1/16	1-31/32	4- 3/32	3-31/32	2- 1/16	1-13/32	.33
820-209 <sup>1</sup>	1-1/2X1/2	1- 7/32	1- 7/32	2-21/32	2-31/32	5- 1/4	5-15/16	2- 3/8	2- 3/8	1.09
820-210	1-1/2X3/4	11/16	1- 5/32	2- 3/32	2- 3/16	4- 3/16	4-11/32	2- 3/8	1-13/32	.40
820-211 <sup>1</sup>	1-1/2X1	1- 3/4	1- 3/4	2- 5/8	3	5- 5/16	5- 7/8	1- 3/8	1- 3/8	1.05
820-248 <sup>1</sup>	2X3/4	11/16	1- 7/16	2- 7/32	2- 7/16	4-13/32	4- 7/8	2-29/32	1-13/32	.54
820-249 <sup>1</sup>	2X1	1- 1/2	2- 9/32	3	3- 7/16	6	6-27/32	3	3	1.81

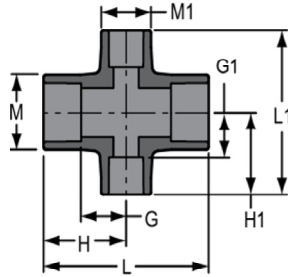
**Schedule 80 Fittings**



**Cross - Reducing**

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-251 <sup>1</sup>	2X1-1/2	1- 1/2	2	3	3- 3/8	6	6- 3/4	2- 7/8	2- 7/8	1.62
820-289	2-1/2X1	7/8	1-23/32	2-11/16	2- 7/8	5-11/32	5- 3/4	3- 1/2	1- 3/4	.96
820-291 <sup>1</sup>	2-1/2X1-1/2	1-11/16	2-15/32	3- 7/16	3-27/32	6- 7/8	7-23/32	3- 9/16	3- 9/16	2.76
820-336 <sup>1</sup>	3X1-1/4	2- 3/32	3- 1/8	3-31/32	4- 3/8	7-29/32	8- 3/4	4- 3/16	4- 3/16	4.54
820-338 <sup>1</sup>	3X2	2- 3/32	2-27/32	3-31/32	4- 5/16	7-29/32	8- 5/8	4-13/32	4- 5/16	4.22
820-420 <sup>1</sup>	4X2	2- 5/8	3-13/16	4- 7/8	5-11/32	9- 3/4	10-21/32	5-11/32	5- 11/32	7.32
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 <sup>1</sup>	4X3	2- 5/8	3- 7/16	4- 7/8	5- 5/16	9- 3/4	10- 5/8	5- 1/4	5- 1/4	6.98
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	24.75
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	25.92
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	37.99
820-661F*	12X2	4- 3/4	8	11	9- 3/4	22	19- 1/2	14- 1/8	2-13/16	34.21
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	36.58
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	47.58
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	53.38
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	82.03
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	67.41
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	68.64
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

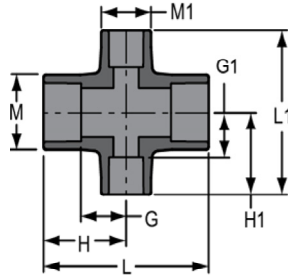


## Schedule 80 Fittings

### Cross - Reducing

Socket x Socket x Socket x Socket

(Continued)



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
820-760F <sup>†</sup>	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	109.05
820-762F <sup>†</sup>	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	125.11
820-764F <sup>†</sup>	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	142.85
820-784F <sup>†</sup>	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	98.05
820-786F <sup>†</sup>	18X6	8- 1/2	12- 5/16	17- 1/2	15- 9/16	35	31- 1/8	19- 7/8	7- 1/2	110.51
820-788F <sup>†</sup>	18X8	9- 1/2	13- 3/16	18- 1/2	17- 7/16	37	34- 7/8	19- 7/8	9- 5/8	119.11
820-790F <sup>†</sup>	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 <sup>†</sup>	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 <sup>†</sup>	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 <sup>†</sup>	18X16	13- 1/2	14- 3/16	22- 1/2	22- 3/16	45	44- 3/8	19-11/16	17-11/16	188.52
820-814F <sup>†</sup>	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	132.99
820-816F <sup>†</sup>	20X6	8- 7/8	13- 1/4	18- 7/8	16- 1/2	37- 3/4	33	22- 1/16	7- 1/2	143.90
820-818F <sup>†</sup>	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	153.75
820-820F <sup>†</sup>	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	172.42
820-822F <sup>†</sup>	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	193.65
820-824F <sup>†</sup>	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 <sup>†</sup>	20X16	14	15- 1/8	24	23- 1/8	48	46- 1/4	22- 1/16	17-11/16	230.08
820-828F <sup>†</sup>	20X18	15	15	25	24	50	48	22- 1/16	19- 7/8	263.57
820-904F <sup>†</sup>	24X4	9	14-11/16	21	16-15/16	42	33- 7/8	26- 7/16	5- 3/16	209.09
820-906F <sup>†</sup>	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	225.46
820-908F <sup>†</sup>	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	238.17
820-910F <sup>†</sup>	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	259.70
820-912F <sup>†</sup>	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	281.00
820-914F <sup>†</sup>	24X14	13- 1/4	16- 5/16	25- 1/4	23- 5/16	50- 1/2	46- 5/8	26- 1/16	15- 1/2	306.59
820-916F <sup>†</sup>	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	324.75
820-918F <sup>†</sup>	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	361.07
820-920F <sup>†</sup>	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	34.40

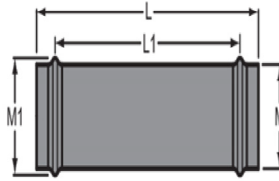
<sup>†</sup> Sized with Bushing

\* Fabricated



**Repair Coupling- Fabricated**

Gasket x Gasket

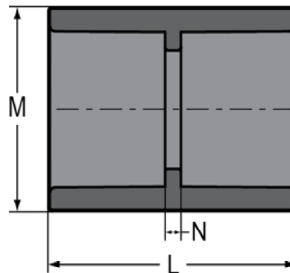


Part Number	Size	L	L1	M	M1	Approx. Wt. (Lbs.)
828-020F*	2	9- 1/8	6	2-13/16	3- 3/16	.96
828-030F*	3	15- 1/2	11- 3/4	4- 1/8	4- 5/8	3.25
828-040F*	4	19- 1/2	15	5- 3/16	5- 3/4	5.68
828-060F*	6	23	18-1/4	7- 1/2	8- 1/8	12.61
828-080F*	8	26-1/8	19	9- 5/8	10- 3/8	21.38
828-100F*	10	28	21-1/4	11-15/16	13-1/8	33.00
828-120F*	12	29	21-3/8	14- 1/8	15-3/8	49.17
828-140F*	14	30	19-1/2	15- 1/2	17-1/4	39.40
828-160F*	16	31	22-1/4	17-11/16	18-7/8	75.99
828-180F*	18	32	19-7/8	22-5/8	21-7/8	73.10
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



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-002	1/4	1- 3/8	27/32	1/16	.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	2-15/32	1-23/32	3/16	.11
829-012	1-1/4	2-11/16	2- 7/32	3/16	.23
829-015	1-1/2	2- 7/8	2-11/32	3/32	.21
829-020	2	3- 1/8	2-27/32	3/32	.31
829-025	2-1/2	3-11/16	3-15/32	1/4	.55
829-030	3	3-31/32	4- 5/32	3/16	.79
829-040	4	4- 3/4	5- 5/16	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	2.89
829-060	6	6- 3/8	7- 9/16	1/4	3.34
829-080	8	8- 1/4	9-23/32	9/32	6.54
829-100	10	10- 9/32	12- 1/16	1/4	11.54
829-100F*	10	12- 1/2	11-15/16	2	13.94

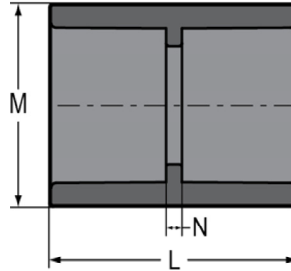


**Schedule 80 Fittings**

**Coupling**

Socket x Socket

(Continued)

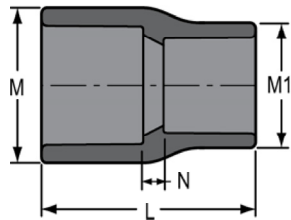


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
829-120	12	12- 3/8	14- 7/32	3/8	19.08
829-120F <sup>*</sup>	12	14- 1/4	14- 1/8	1- 3/4	21.80
829-140	14	14- 7/16	15- 5/8	3/8	27.04
829-140F <sup>*</sup>	14	16- 1/4	15- 1/2	2- 1/4	29.69
829-160F <sup>*</sup>	16	19-3/4	17-11/16	3-3/4	42.37
829-180F <sup>*</sup>	18	22	19- 7/8	4	67.00
829-200F <sup>*</sup>	20	23- 3/4	22- 1/16	3- 3/4	84.73
829-240F <sup>*</sup>	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	1-13/32	1- 5/32	7/32	.06
829-130	1X1/2	2- 3/16	1-23/32	1-13/32	7/32	.11
829-131	1X3/4	2-13/32	1-23/32	1-13/32	1/4	.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- 1/8	1- 3/4	5/16	.16
829-209	1-1/2X1/2	2-27/32	2-11/32	1- 3/16	19/32	.18
829-210	1-1/2X3/4	2- 7/8	2- 3/8	1-13/32	17/32	.20
829-211	1-1/2X1	2- 7/8	2-11/32	1-15/16	3/8	.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	1-13/32	23/32	.30
829-249	2X1	3-3/32	3	1-23/32	17/32	.33
829-250	2X1-1/4	3-11/32	2- 7/8	2- 3/32	19/32	.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	3-15/32	2-27/32	13/32	.48
829-335 <sup>1</sup>	3X1	4- 7/16	4- 1/8	2- 7/8	1- 7/16	.98
829-336 <sup>1</sup>	3X1-1/4	4- 7/32	4- 5/32	2-29/32	1- 1/16	.93
829-337 <sup>1</sup>	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

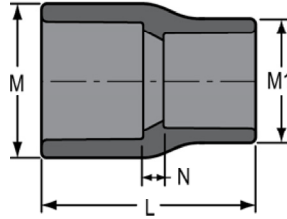
## Schedule 80 Fittings



## Coupling - Reducer

Socket x Socket

(Continued)



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-339	3X2-1/2	4-1/8	4- 5/32	3- 15/32	1/2	.75
829-339F <sup>+</sup>	3X2-1/2	6	4- 1/16	3- 7/16	1- 3/4	.90
829-416 <sup>1</sup>	4X3/4	5-23/32	5- 9/32	2-29/32	2-13/32	1.66
829-417 <sup>1</sup>	4X1	5-15/16	5- 9/32	2-29/32	2-17/32	1.68
829-419 <sup>1</sup>	4X1-1/2	5-23/32	5- 9/32	2-29/32	2- 1/16	1.59
829-420	4X2	5- 1/2	5- 9/32	2- 7/8	1-25/32	1.44
829-421	4X2-1/2	4- 9/16	5- 3/16	3- 1/2	17/32	1.27
829-422	4X3	4-19/32	5- 1/4	4- 3/16	15/32	1.25
829-460F <sup>+</sup>	4-1/2X4	6-15/16	5- 5/8	5- 3/16	2- 3/16	2.08
829-487F <sup>+</sup>	5X2-1/2	8- 1/8	6- 1/4	5- 3/16	3- 5/8	3.55
829-488F <sup>+</sup>	5X3	7-15/16	6- 1/4	5- 3/16	2-15/16	3.21
829-490F <sup>+</sup>	5X4	7- 3/4	6- 1/4	5- 3/16	2- 1/2	2.24
829-491F <sup>+</sup>	5X4-1/2	8- 3/16	6- 1/4	5- 5/8	2-15/16	2.33
829-528 <sup>1</sup>	6X2	7- 1/16	7- 1/2	5	2- 9/16	4.28
829-529 <sup>1</sup>	6X2-1/2	6-31/32	7-19/32	5- 9/32	2- 3/16	4.29
829-530 <sup>1</sup>	6X3	7- 1/8	7- 9/16	5- 9/32	2- 1/4	4.11
829-530F <sup>+</sup>	6X3	9- 3/16	7- 5/16	5- 3/16	3-15/16	3.85
829-532	6X4	6- 5/8	7- 5/8	5- 5/16	1- 7/16	3.27
829-534F <sup>+</sup>	6X4-1/2	9- 5/16	7- 5/16	5- 5/8	3- 9/16	2.97
829-533F <sup>+</sup>	6X5	8-15/16	7- 3/8	6- 5/16	2-11/16	3.74
829-579F <sup>+</sup>	8X2-1/2	15	9- 1/2	5- 3/16	8- 3/4	8.32
829-580F <sup>+</sup>	8X3	14-15/16	9- 1/2	5- 3/16	8-11/16	7.95
829-582F <sup>+</sup>	8X4	14- 5/8	9- 1/2	5- 3/16	8- 1/8	7.15
829-583F <sup>+</sup>	8X5	14-11/16	9- 1/2	6- 5/16	7- 7/16	7.77
829-585	8X6	8	9- 3/4	7- 1/2	1	6.16
829-621F <sup>+</sup>	10X2	21- 1/2	11- 3/4	5- 3/16	14- 3/4	16.16
829-623F <sup>+</sup>	10X3	21- 7/16	11- 3/4	5- 3/16	14- 3/16	15.77
829-624F <sup>+</sup>	10X4	21- 1/8	11- 3/4	5- 3/16	13- 5/8	14.75
829-625F <sup>+</sup>	10X5	21- 3/16	11- 3/4	6- 5/16	12-15/16	14.89
829-626	10X6	10-19/32	12- 1/32	7-19/32	2-17/32	11.07
829-626F <sup>+</sup>	10X6	17- 1/2	11- 3/4	7- 1/2	9	12.82
829-628	10X8	10- 5/8	12	9- 3/4	1-17/32	11.29
829-664F <sup>+</sup>	12X4	28- 3/8	13-15/16	5- 3/16	19- 7/8	27.74
829-665F <sup>+</sup>	12X5	28- 7/16	13-15/16	6- 5/16	19- 3/16	28.96
829-666F <sup>+</sup>	12X6	24- 3/4	13-15/16	7- 1/2	15- 1/4	26.75
829-668	12X8	12- 5/8	14- 7/32	9- 3/4	2- 7/16	17.85
829-668F <sup>+</sup>	12X8	20- 1/2	13-15/16	9- 5/8	10	22.51
829-670F <sup>+</sup>	12X10	16- 3/8	13-15/16	11-15/16	4- 7/8	19.92
829-694F <sup>+</sup>	14X4	30- 1/8	15- 3/16	5- 3/16	20- 7/8	29.93
829-696F <sup>+</sup>	14X6	26- 1/2	15- 3/16	7- 1/2	16- 1/4	30.29

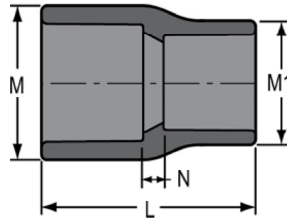


**Schedule 80 Fittings**

**Coupling - Reducer**

(Continued)

Socket x Socket



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-698F <sup>1</sup>	14X8	22- 1/4	15- 3/16	9- 5/8	11	27.50
829-700F <sup>1</sup>	14X10	18- 1/8	15- 3/16	11-15/16	5- 7/8	23.91
829-702F <sup>1</sup>	14X12	17- 3/4	15- 3/8	14- 1/8	4- 1/2	27.40
829-754F <sup>1</sup>	16X4	38	17- 3/8	5- 3/16	27- 3/4	50.44
829-756F <sup>1</sup>	16X6	34- 3/8	17- 3/8	7- 1/2	23- 1/8	53.09
829-758F <sup>1</sup>	16X8	30- 1/8	17- 3/8	9- 5/8	17- 7/8	48.85
829-760F <sup>1</sup>	16X10	26	17- 3/8	11-15/16	12- 3/4	46.26
829-762F <sup>1</sup>	16X12	20- 1/4	17- 3/8	14- 1/8	6	36.30
829-764F <sup>1</sup>	16X14	21- 1/4	17- 1/2	15- 1/2	5- 1/4	42.89
829-784F <sup>1</sup>	18X4	47- 3/8	19-11/16	5- 3/16	36- 1/8	86.76
829-786F <sup>1</sup>	18X6	43- 3/4	19-11/16	7- 1/2	31- 1/2	92.19
829-788F <sup>1</sup>	18X8	39- 1/2	19-11/16	9- 5/8	26- 1/4	89.60
829-790F <sup>1</sup>	18X10	35- 3/8	19-11/16	11-15/16	21- 1/8	85.36
829-792F <sup>1</sup>	18X12	29- 5/8	19-11/16	14- 1/8	14- 3/8	68.96
829-794F <sup>1</sup>	18X14	29- 5/8	19-11/16	15- 1/2	13- 5/8	77.68
829-796F <sup>1</sup>	18X16	23	19-11/16	17-11/16	6	55.09
829-814F <sup>1</sup>	20X4	58	21- 7/8	5- 3/16	45- 3/4	128.41
829-816F <sup>1</sup>	20X6	54- 3/8	21- 7/8	7- 1/2	41- 1/8	131.05
829-818F <sup>1</sup>	20X8	50- 1/8	21- 7/8	9- 5/8	35- 7/8	140.15
829-820F <sup>1</sup>	20X10	46	21- 7/8	11-15/16	30- 3/4	137.92
829-822F <sup>1</sup>	20X12	40- 1/4	21- 7/8	14- 1/8	24	127.96
829-824F <sup>1</sup>	20X14	40- 1/4	21- 7/8	15- 1/2	23- 1/4	118.16
829-826F <sup>1</sup>	20X16	33- 5/8	21- 7/8	17-11/16	15- 5/8	100.86
829-828F <sup>1</sup>	20X18	25- 1/2	21- 7/8	19- 7/8	6- 1/2	77.09
829-904F <sup>1</sup>	24X4	71- 1/2	26- 1/16	5- 3/16	57- 1/4	227.54
829-906F <sup>1</sup>	24X6	67- 7/8	26- 1/16	7- 1/2	52- 5/8	226.55
829-908F <sup>1</sup>	24X8	63- 5/8	26- 1/16	9- 5/8	47- 3/8	225.73
829-910F <sup>1</sup>	24X10	59- 1/2	26- 1/16	11-15/16	42- 1/4	219.72
829-912F <sup>1</sup>	24X12	53- 3/4	26- 1/16	14- 1/8	35- 1/2	192.81
829-914F <sup>1</sup>	24X14	53- 3/4	26- 1/16	15- 1/2	34- 3/4	212.04
829-916F <sup>1</sup>	24X16	47- 1/8	26- 1/16	17-11/16	27- 1/8	184.82
829-918F <sup>1</sup>	24X18	39	26- 1/16	19- 7/8	18	157.05
829-920F <sup>1</sup>	24X20	30- 5/8	26- 1/16	22- 1/16	8- 5/8	119.89

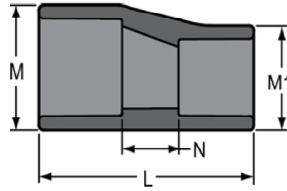
<sup>1</sup> Outlet-sized with Bushing  
\* Fabricated

**Schedule 80 Fittings**



**Coupling - Eccentric Reducer**

Socket x Socket



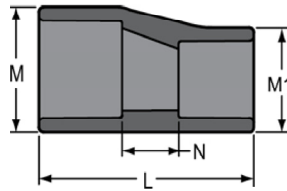
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-101FE*	3/4X1/2	3-7/16	1- 3/8	1- 1/8	1-7/16	.07
829-130FE*	1X1/2	4-1/16	1- 5/8	1- 1/8	1-13/16	.11
829-131FE*	1X3/4	4	1- 5/8	1-1/8	1- 3/4	.12
829-168FE*	1-1/4X1	4-5/8	2	1-11/16	1-7/8	.24
829-209FE <sup>2*</sup>	1-1/2X1/2	8	2- 1/4	1- 1/8	5-1/2	.33
829-210FE <sup>2*</sup>	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	.30
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	.33
829-289FE <sup>2*</sup>	2-1/2X1	10-3/8	3-5/16	1-11/16	7-1/8	.88
829-290FE <sup>2*</sup>	2-1/2X1-1/4	10-3/8	3- 5/16	2- 1/16	6-7/8	.90
829-291FE <sup>2*</sup>	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	.69
829-335FE <sup>2*</sup>	3X1	11- 7/8	3-15/16	1-11/16	8- 3/8	1.11
829-336FE <sup>2*</sup>	3X1-1/4	11- 7/8	3-15/16	2- 1/16	8- 1/8	1.22
829-337FE <sup>2*</sup>	3X1-1/2	11-5/16	3-15/16	2- 5/16	7-9/16	1.21
829-338E	3X2	5-7/8	4-5/32	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 <sup>3*</sup>	4X1	17	5- 1/8	1-11/16	13- 1/2	2.37
829-418FE <sup>3*</sup>	4X1-1/4	17	5- 1/8	2- 1/16	13- 1/4	2.31
829-419FE <sup>3*</sup>	4X1-1/2	16-7/16	5- 1/8	2- 5/16	12-11/16	2.37
829-420FE <sup>2*</sup>	4X2	13- 1/4	5- 1/8	2-13/16	9- 1/4	2.09
829-421FE <sup>2*</sup>	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 <sup>3*</sup>	6X2	20- 7/8	7- 5/16	2-13/16	15- 7/8	4.84
829-529FE <sup>3*</sup>	6X2-1/2	20	7- 5/16	3- 7/16	14- 3/4	4.94
829-530FE <sup>2*</sup>	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 <sup>5*</sup>	8X1	34-3/8	9-1/2	1-11/16	28-7/8	13.09
829-577FE <sup>5*</sup>	8X1-1/2	34-1/4	9-1/2	2-5/16	28-1/2	11.56
829-578FE <sup>4*</sup>	8X2	30- 5/8	9- 1/2	2-13/16	24- 5/8	11.40
829-580FE <sup>3*</sup>	8X3	26- 1/8	9- 1/2	4- 1/8	19- 5/8	11.01
829-582FE <sup>2*</sup>	8X4	20- 7/8	9- 1/2	5- 3/16	14- 3/8	10.24
829-583FE <sup>2*</sup>	8X5	21	9- 1/2	6- 5/16	13- 3/4	10.77



**Coupling - Eccentric Reducer**

(Continued)

Socket x Socket

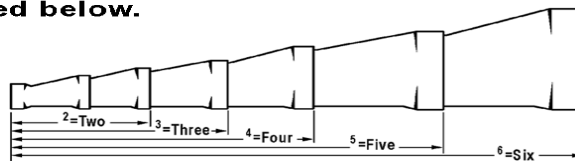


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
829-585FE*	8X6	15- 1/4	9- 1/2	7- 1/2	7- 3/4	8.40
829-624FE <sup>3*</sup>	10X4	32	11- 3/4	5- 3/16	24- 1/2	21.03
829-625FE <sup>3*</sup>	10X5	32- 1/8	11- 3/4	6- 5/16	23- 7/8	22.82
829-626FE <sup>2*</sup>	10X6	26- 1/2	11- 3/4	7- 1/2	18	18.61
829-628FE*	10X8	18- 1/16	11- 3/4	9- 5/8	8- 9/16	13.81
829-664FE <sup>4*</sup>	12X4	43- 1/2	13-15/16	5- 3/16	35	37.53
829-666FE <sup>3*</sup>	12X6	37- 7/8	13-15/16	7- 1/2	28- 3/8	36.64
829-668FE <sup>2*</sup>	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 <sup>3*</sup>	14X6	41- 3/8	15- 3/16	7- 1/2	31- 1/8	41.01
829-698FE <sup>2*</sup>	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 <sup>4*</sup>	16X6	54- 1/4	17- 1/2	7- 1/2	43	73.56
829-758FE <sup>3*</sup>	16X8	45-15/16	17- 1/2	9- 5/8	33-11/16	69.73
829-760FE <sup>2*</sup>	16X10	37	17- 1/2	11-15/16	23- 3/4	59.25
829-762FE <sup>2*</sup>	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	45.99
829-786FE <sup>5*</sup>	18X6	69- 1/4	19-11/16	7- 1/2	57	121.36
829-788FE <sup>4*</sup>	18X8	60-15/16	19-11/16	9- 5/8	47-11/16	132.39
829-790FE <sup>3*</sup>	18X10	52	19-11/16	11-15/16	37- 3/4	109.42
829-792FE <sup>3*</sup>	18X12	48	19-11/16	14- 1/8	32- 3/4	109.80
829-794FE <sup>2*</sup>	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

**Eccentric Reducer Coupling Footnotes**  
Multi-Step Configurations

The number after the part number denotes steps listed below.



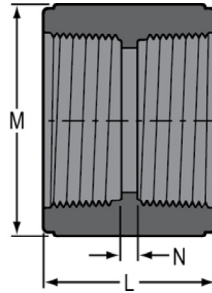
Example: 829-626FE<sup>2</sup> (2 = 2 Step)

**Schedule 80 Fittings**



**Coupling**

Fipt x Fipt

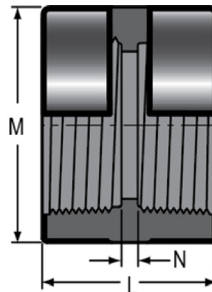


Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-002	1/4	1-11/32	13/16	5/32	.02
830-003	3/8	1-15/32	1	9/32	.03
830-005	1/2	1- 5/8	1- 9/32	1/4	.06
830-007	3/4	1-11/16	1- 5/8	3/32	.08
830-010	1	2- 3/32	1-15/16	1/8	.14
830-012	1-1/4	2- 3/16	2- 9/32	3/16	.20
830-015	1-1/2	2- 7/32	2- 5/8	3/16	.28
830-020	2	2-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

\* Fabricated

**Coupling - Special Reinforced**

SR Fipt x SR Fipt - Stainless Steel Collar



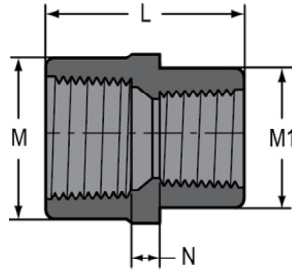
Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
830-005SR	1/2	1-19/32	1- 7/32	9/32	.06
830-007SR	3/4	1- 5/8	1- 3/8	1/8	.07
830-010SR	1	1-15/16	1-23/32	1/16	.13
830-012SR	1-1/4	2- 1/16	2- 1/16	5/16	.18
830-015SR	1-1/2	2- 5/32	2- 7/16	11/32	.27
830-020SR	2	2- 1/4	3- 1/32	1/4	.40



## Schedule 80 Fittings

### Coupling - Reducer

Fipt x Fipt

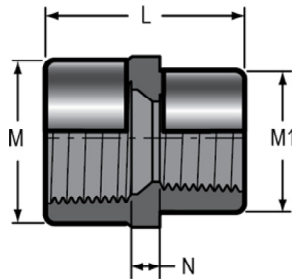


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-072 <sup>1</sup>	1/2X1/4	1-31/32	1-5/16	1-5/32	5/8	.07
830-073 <sup>1</sup>	1/2X3/8	1-29/32	1- 7/32	1- 7/32	19/32	.06
830-101	3/4X1/2	1-23/32	1- 3/8	1- 7/32	7/32	.06
830-211 <sup>1</sup>	1-1/2X1	2- 7/8	2-11/32	2-11/32	1- 1/32	.34

<sup>1</sup> Sized with Bushing

### Coupling - Special Reinforced Reducer

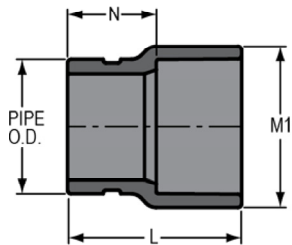
SR Fipt x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
830-101SR	3/4X1/2	1-23/32	1- 3/8	1- 7/32	7/32	.08
830-130SR	1X1/2	2- 1/4	1-23/32	1- 7/32	21/32	.16
830-131SR	1X3/4	2-13/32	1-23/32	1- 3/8	23/32	.16
830-210SR	1-1/2X3/4	2- 7/8	2- 7/16	1- 3/8	1- 7/32	.29
830-211SR	1-1/2X1	2-15/16	2- 7/16	1-11/16	7/16	.34
830-212SR	1-1/2X1-1/4	2- 7/8	2- 1/2	2- 3/32	15/16	.33
830-249SR	2X1	3- 3/16	3	1-23/32	1-17/32	.45
830-251SR	2X1-1/2	3- 1/4	3	2- 7/16	1- 7/16	.50

### Grooved Coupling Adapter

Groove x Socket



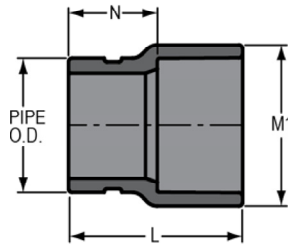
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-012	1-1/4	2-13/16	2- 1/16	1- 9/16	.17
833-015	1-1/2	2-29/32	2-11/32	1- 1/2	.18
833-020	2	3- 1/16	2- 7/8	1- 9/16	.28
833-025	2-1/2	3- 3/8	3- 1/2	1- 5/8	.49
833-030	3	3- 9/16	4- 3/16	1-11/16	.68



**Grooved Coupling Adapter**

(Continued)

Groove x Socket

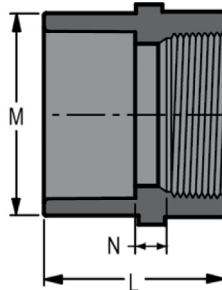


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
833-040	4	4-17/32	5- 1/4	2- 9/32	1.27
833-050F*	5	7	6- 5/16	4	2.48
833-060	6	5- 5/16	7- 9/16	2- 5/16	2.78
833-080F*	8	8- 3/16	9- 5/8	3-15/16	5.70
833-100F*	10	9- 7/8	11-15/16	4- 5/8	10.35
833-120F*	12	10- 7/8	14- 1/8	4- 5/8	16.21

\* Fabricated

**Female Adapter**

Socket x Fipt



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
835-002	1/4	1-11/32	27/32	3/32	.02
835-003	3/8	1-15/32	1	3/32	.03
835-098	3/4X1/4	1-15/16	1-13/32	13/32	.05
835-005	1/2	1-23/32	1- 5/32	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- 5/16	2- 3/32	3/32	.17
835-015	1-1/2	2- 1/2	2-11/32	3/32	.20
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	3-15/32	4- 1/4	3/16	.74
835-040	4	3-31/32	5- 7/32	1/4	1.21
835-060	6	4-31/32	7-21/32	5/16	3.08
835-080	8	6- 5/32	9-23/32	1/4	5.22
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- 1/8	14- 1/8	2- 5/8	14.09

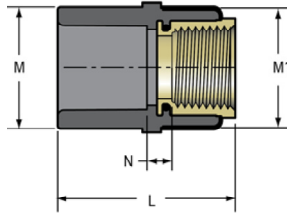
\* Fabricated



## Schedule 80 Fittings

### Female Adapter - Brass Transition

Socket x Fipt With Brass Thread Insert

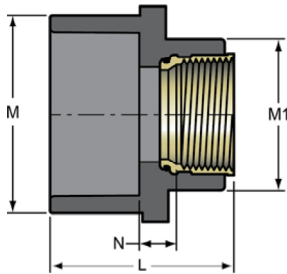


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-005BR	1/2	1-25/32	1- 5/32	1- 7/32	5/8	.11
835-007BR	3/4	2	1-13/32	1- 3/8	3/8	.15
835-010BR	1	2- 7/32	1- 3/4	1-11/16	13/32	.24
835-012BR	1-1/4	2- 3/8	2- 3/32	2- 1/16	3/8	.34
835-015BR	1-1/2	2-17/32	2-13/32	2- 7/16	13/32	.45
835-020BR	2	2-25/32	2- 7/8	3-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

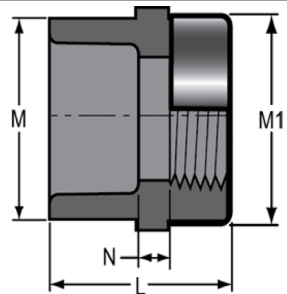


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-101BR	3/4X1/2	2- 1/32	1- 7/16	1- 3/16	15/32	.13
835-131BR	1X3/4	2-5/16	1-11/16	1-3/8	9/16	.18

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	.02
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	.09
835-010SR	1	2- 1/8	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	7/32	.26
835-020SR	2	2-23/32	3	3- 1/32	1/4	.42

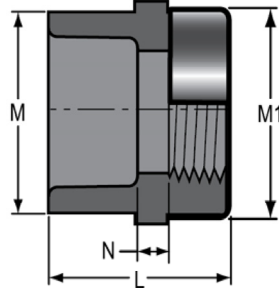
**Schedule 80 Fittings**



**Female Adapter - Special Reinforced**

Socket x SR Fipt - Stainless Steel Collar

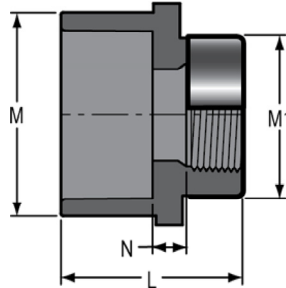
(Continued)



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-025SR	2-1/2	3- 1/4	3- 9/16	3- 9/16	11/32	.67
835-030SR	3	3- 1/2	4- 1/4	4- 9/32	7/32	.96
835-040SR	4	3-31/32	5- 7/32	5- 1/4	7/32	1.28
835-060SR	6	4-31/32	7- 5/8	7-21/32	1/4	3.03

**Female Adapter - Special Reinforced Reducing**

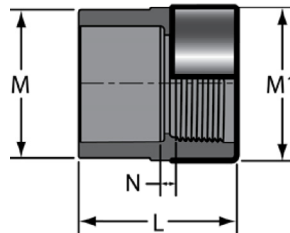
Socket x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-074SR	1/2X3/4	1- 3/4	1- 3/16	1- 3/8	7/32	.07
835-098SR	3/4X1/4	1-15/16	1-13/32	27/32	13/32	.06
835-101SR	3/4X1/2	1- 7/8	1- 3/8	1- 3/16	3/16	.07
835-102SR	3/4X1	2- 1/16	1- 7/16	1-11/16	7/32	.12
835-130SR	1X1/2	2	1-11/16	1- 3/16	7/32	.10
835-131SR	1X3/4	2- 3/32	1- 3/4	1- 3/8	1/4	.12

**Female Adapter - Encapsulated Special Reinforced**

Socket x ESR Fipt



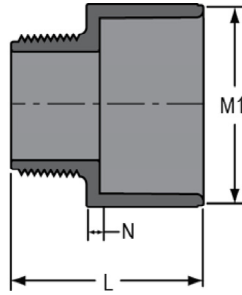
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
835-002ESR	1/4	1- 1/2	27/32	29/32	3/32	.03
835-003ESR	3/8	1-17/32	15/16	1- 1/32	3/16	.03
835-005ESR	1/2	1- 7/8	1- 3/16	1- 9/32	9/32	.07
835-007ESR	3/4	2	1-13/32	1-15/32	1/8	.10
835-010ESR	1	2- 1/4	1- 3/4	1-13/16	1/8	.14
835-012ESR	1-1/4	2- 7/16	2- 1/8	2- 5/32	3/16	.20
835-015ESR	1-1/2	2- 9/16	2-13/32	2- 1/2	1/4	.29
835-020ESR	2	2-27/32	3	3- 3/32	13/32	.46



**Schedule 80 Fittings**

**Male Adapter**

Mipt x Socket

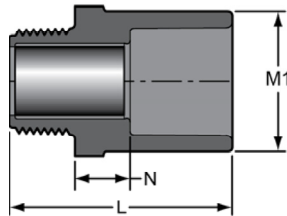


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-053	3/8X1/2	1-11/16	1- 3/16	1/4	.03
836-005	1/2	1-23/32	1- 5/32	3/16	.03
836-007	3/4	1-27/32	1- 7/16	7/32	.05
836-102	3/4X1	2- 9/32	1- 3/4	17/32	.09
836-131	1X3/4	2- 1/16	1-13/32	1/4	.06
836-010	1	2- 5/32	1-23/32	7/32	.09
836-012	1-1/4	2- 1/4	2- 1/8	9/32	.14
836-015	1-1/2	2-11/16	2- 3/8	9/32	.18
836-251 <sup>1</sup>	2X1-1/2	3- 3/32	2-29/32	19/32	.42
836-020	2	2- 7/8	2- 7/8	5/16	.28
836-025	2-1/2	3-21/32	3-17/32	11/32	.52
836-030	3	3- 7/8	4- 1/4	3/8	.74
836-040	4	4-13/32	5- 5/16	13/32	1.14
836-050F <sup>*</sup>	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 <sup>*</sup>	8	8- 3/16	9- 5/8	2- 3/16	4.54
836-100F <sup>*</sup>	10	10- 3/8	11-15/16	3- 3/16	11.95
836-120F <sup>*</sup>	12	11- 1/8	14- 1/8	2- 3/4	20.94

<sup>1</sup> Sized With Bushing  
\* Fabricated

**Male Adapter - Internal Reinforced**

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



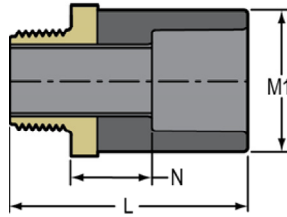
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005R	1/2	2- 3/32	1- 5/32	9/16	.05
836-007R	3/4	2- 1/4	1- 3/8	9/16	.08
836-010R	1	2-21/32	1-23/32	11/16	.14

**Schedule 80 Fittings**



**Male Adapter - PVC Lined Brass Transition**

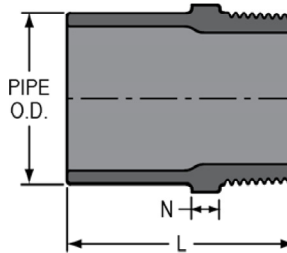
Brass Mipt x Socket  
NSF® Certified Lead Free



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
836-005BR	1/2	2-13/32	1- 9/32	27/32	.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	1	.79
836-020BR	2	3- 7/16	2-27/32	31/32	1.05

**Male Spigot Adapter**

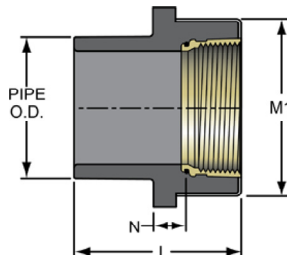
Spigot x Mipt



Part Number	Size	L	N	Approx. Wt. (Lbs.)
861-005	1/2	1-13/16	5/16	.02
861-007	3/4	1-31/32	5/16	.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	1/8	.11
861-015	1-1/2	2- 5/8	11/32	.14
861-020	2	2-13/16	13/32	.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	1-15/16	1- 3/16	1/2	.11
878-007BR	3/4	2- 5/32	1- 3/8	17/32	.14
878-010BR	1	2- 9/32	1-23/32	13/32	.22

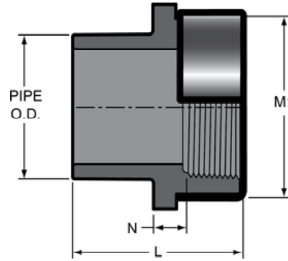
**Not intended to convey or dispense water for human consumption through drinking or cooking**



**Schedule 80 Fittings**

**Female Spigot Adapter - Special Reinforced**

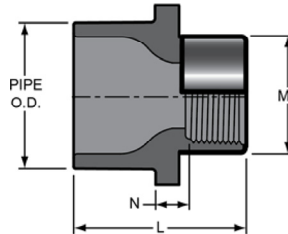
Spigot x SR Fipt - Stainless Steel Collar



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

**Female Spigot Adapter - Special Reinforced Reducing**

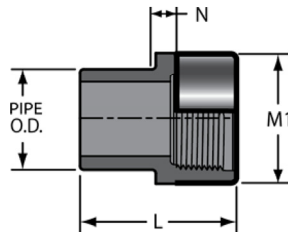
Spigot x SR Fipt - Stainless Steel Collar



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
<a href="#">878-072SR</a>	1/2X1/4	1-13/32	27/32	3/16	.02
<a href="#">878-098SR</a>	3/4X1/4	1-27/32	27/32	7/32	.05
<a href="#">878-128SR</a>	1X1/4	2- 3/8	27/32	21/32	.08

**Female Spigot Adapter - Encapsulated Special Reinforced, Spigot**

Spigot x ESR Fipt

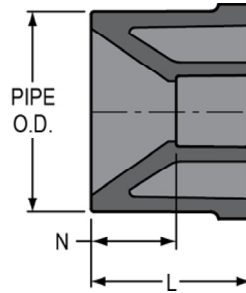


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
<a href="#">878-005ESR</a>	1/2	1- 7/8	1- 9/32	3/16	.06
<a href="#">878-007ESR</a>	3/4	2- 1/16	1-15/32	3/8	.08
<a href="#">878-010ESR</a>	1	2- 3/8	1-25/32	11/32	.12
<a href="#">878-012ESR</a>	1-1/4	2-19/32	2- 5/32	5/16	.19
<a href="#">878-015ESR</a>	1-1/2	2- 3/4	2- 1/2	13/32	.27
<a href="#">878-020ESR</a>	2	2-15/16	3- 3/32	5/16	.40



## Reducer Bushing Flush Style

Spigot x Socket



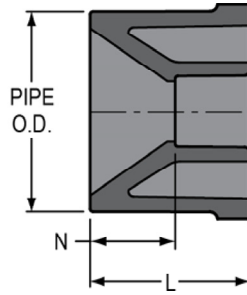
Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-052	3/8X1/4	31/32	5/16	.02
837-072	1/2X1/4	1- 3/32	13/32	.01
837-073	1/2X3/8	1- 1/8	11/32	.01
837-101	3/4X1/2	1- 7/32	11/32	.02
837-129 <sup>1</sup>	1X3/8	1- 5/8	27/32	.06
837-130	1X1/2	1-11/32	11/32	.05
837-131	1X3/4	1-11/32	5/16	.03
837-166	1-1/4X1/2	1- 1/2	5/8	.11
837-167	1-1/4X3/4	1- 1/2	1/2	.09
837-168	1-1/4X1	1-19/32	15/32	.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- 9/16	13/32	.12
837-212	1-1/2X1-1/4	1- 9/16	9/32	.05
837-247	2X1/2	1-25/32	7/8	.23
837-248	2X3/4	1-29/32	21/32	.22
837-249	2X1	1-25/32	5/8	.23
837-250	2X1-1/4	1-11/16	7/16	.19
837-251	2X1-1/2	1- 3/4	11/32	.14
837-287 <sup>1</sup>	2-1/2X1/2	2- 1/2	1- 1/2	.41
837-288 <sup>1</sup>	2-1/2X3/4	2-17/32	1-15/32	.39
837-289	2-1/2X1	2- 1/32	29/32	.35
837-290	2-1/2X1-1/4	2- 5/32	13/32	.38
837-291	2-1/2X1-1/2	2- 5/32	3/4	.37
837-292	2-1/2X2	2- 1/16	17/32	.21
837-334 <sup>1</sup>	3X3/4	2- 9/16	1-17/32	.62
837-335	3X1	2- 9/32	1- 1/8	.59
837-336	3X1-1/4	2- 1/4	1	.62
837-337	3X1-1/2	2- 9/32	7/8	.58
837-338	3X2	2-7/32	9/16	.46
837-339	3X2-1/2	2-7/32	7/16	.37
837-415 <sup>1</sup>	4X1/2	3- 1/16	2- 5/32	1.24
837-416 <sup>1</sup>	4X3/4	2-27/32	1-27/32	1.22
837-417 <sup>1</sup>	4X1	3- 1/16	1- 1/8	1.24
837-418 <sup>1</sup>	4X1-1/4	3- 9/16	1-11/16	1.07
837-419	4X1-1/2	2-19/32	1- 3/16	1.01
837-420	4X2	2-21/32	1- 5/32	1.00
837-421	4X2-1/2	2-17/32	25/32	1.01
837-422	4X3	2- 9/16	11/16	.83
837-490	5X4	2-31/32	23/32	1.31
837-490F <sup>+</sup>	5X4	3	3/4	1.25
837-524 <sup>1</sup>	6X3/4	4- 1/2	3- 1/2	3.09
837-525 <sup>1</sup>	6X1	3-31/32	2-13/16	3.11



**Schedule 80 Fittings**

**Reducer Bushing  
Flush Style**

Spigot x Socket



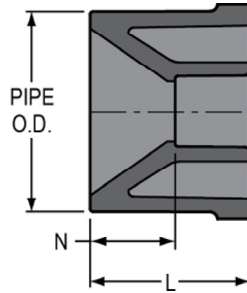
(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-526 <sup>1</sup>	6X1-1/4	3-25/32	2-17/32	3.06
837-527 <sup>1</sup>	6X1-1/2	3- 3/4	2-11/32	3.01
837-528	6X2	3-17/32	2- 1/32	2.87
837-529	6X2-1/2	3-29/32	2- 5/32	3.37
837-530	6X3	3-17/32	2- 1/8	2.83
837-532	6X4	3- 9/16	1- 1/4	2.67
837-533F*	6X5	3	7/16	1.54
837-534	6X5	3-17/32	7/8	1.92
837-578 <sup>1</sup>	8X2	4-15/16	3- 3/8	6.21
837-580 <sup>1</sup>	8X3	5- 1/8	3- 1/4	6.04
837-582 <sup>1</sup>	8X4	4- 1/2	2- 1/4	5.20
837-585	8X6	4- 3/8	1- 3/8	5.12
837-624 <sup>1</sup>	10X4	6	3- 3/4	12.98
837-626	10X6	5- 5/16	2-5/16	10.30
837-628	10X8	5-11/32	1-5/16	10.10
837-666 <sup>1</sup>	12X6	7	4	20.19
837-666F <sup>1*</sup>	12X6	6- 7/16	3- 3/8	19.03
837-668	12X8	6- 7/8	2- 7/16	15.07
837-670	12X10	6- 11/32	1-9/32	14.16
837-670F*	12X10	6	1	11.03
837-696F*	14X6	7- 3/4	4-11/16	29.55
837-698F*	14X8	7-5/16	3-5/16	24.43
837-700F*	14X10	7- 7/16	2- 7/16	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	48.05
837-758F*	16X8	8-5/16	4-5/16	42.93
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
837-788F*	18X8	9-5/16	5-5/16	66.60
837-790F*	18X10	9-5/16	4-5/16	65.69
837-792F*	18X12	9	3	51.82
837-794F*	18X14	9	2	42.46
837-796F*	18X16	9	1	23.66
837-816F*	20X6	10-7/16	7-3/8	104.29
837-818F*	20X8	10-5/16	6-5/16	97.42
837-820F*	20X10	10-5/16	5-5/16	96.50
837-822F*	20X12	10	4	82.64
837-824F*	20X14	10	3	72.98



**Reducer Bushing  
Flush Style**

Spigot x Socket



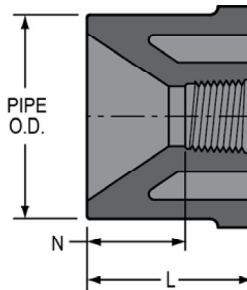
(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
837-828F <sup>1</sup>	20X18	10	1	30.81
837-910F <sup>1</sup>	24X10	12- 7/16	7- 7/16	176.99
837-912F <sup>1</sup>	24X12	12	6	167.17
837-914F <sup>1</sup>	24X14	12	5	153.76
837-916F <sup>1</sup>	24X16	12	4	134.56
837-918F <sup>1</sup>	24X18	12	3	112.53
837-920F <sup>1</sup>	24X20	12	2	80.48

<sup>1</sup> Sized with Bushing  
\* Fabricated

**Reducer Bushing  
Flush Style**

Spigot x Fipt



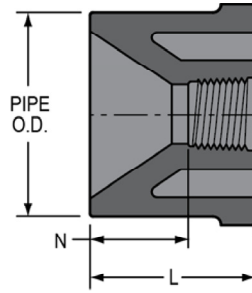
Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-052	3/8X1/4	31/32	3/8	.01
838-071	1/2X1/8	1	9/16	.01
838-072	1/2X1/4	1	7/8	.02
838-073	1/2X3/8	1- 3/32	17/32	.01
838-098	3/4X1/4	1- 7/32	5/8	.03
838-099	3/4X3/8	1- 1/4	21/32	.03
838-101	3/4X1/2	1- 1/4	7/16	.02
838-127	1X1/8	1-13/32	29/32	.07
838-128	1X1/4	1-13/32	25/32	.06
838-129	1X3/8	1-13/32	19/32	.06
838-130	1X1/2	1-11/32	21/32	.06
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- 7/16	23/32	.09
838-168	1-1/4X1	1-17/32	5/8	.07
838-206	1-1/2X1/8	1-11/16	1- 1/4	.14
838-207	1-1/2X1/4	1- 9/16	1- 3/16	.12
838-209	1-1/2X1/2	1-11/16	31/32	.16
838-210	1-1/2X3/4	1- 9/16	27/32	.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- 5/32	.25



**Schedule 80 Fittings**

**Reducer Bushing  
Flush Style**

Spigot x Fipt

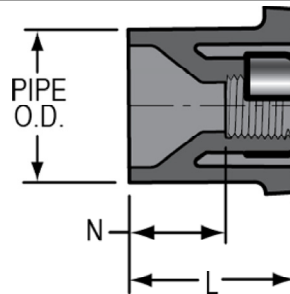


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Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-249	2X1	1-29/32	1	.25
838-250	2X1-1/4	1-19/32	21/32	.18
838-251	2X1-1/2	1- 9/16	5/8	.18
838-287	2-1/2X1/2	2- 3/8	1-21/32	.41
838-288	2-1/2X3/4	2- 7/16	1- 5/8	.44
838-289	2-1/2X1	2- 5/32	1- 1/4	.38
838-290	2-1/2X1-1/4	2-13/32	1- 3/8	.42
838-291	2-1/2X1-1/2	2- 3/8	1-13/32	.47
838-292	2-1/2X2	2- 1/16	1- 1/16	.25
838-334	3X3/4	2- 9/32	1- 1/2	.59
838-335	3X1	2- 9/32	1-11/32	.61
838-336	3X1-1/4	2- 1/4	1- 3/8	.58
838-337	3X1-1/2	2- 1/4	1- 5/8	.59
838-338	3X2	2- 3/16	1- 7/32	.55
838-339	3X2-1/2	2- 3/8	3/4	.45
838-419	4X1-1/2	3- 3/16	2- 5/16	1.19
838-420	4X2	2-11/16	1-21/32	1.10
838-421	4X2-1/2	2-21/32	1- 1/16	1.07
838-422	4X3	2- 5/8	1	.86
838-528	6X2	3-17/32	2- 1/2	2.92
838-530	6X3	3-17/32	2- 1/8	2.98
838-532	6X4	3-17/32	2- 1/32	2.53

**Special Reinforced Reducer  
Bushings  
Flush Style**

Spigot x SR Fipt - Stainless Steel Collar

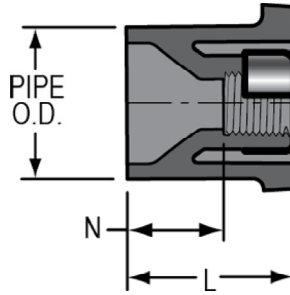


Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-128SR	1X1/4	1-13/32	25/32	.07
838-207SR	1-1/2X1/4	1- 9/16	1	.12
838-166SR	1-1/4X1/2	1- 7/16	3/4	.11
838-209SR	1-1/2X1/2	1-23/32	31/32	.17
838-210SR	1-1/2X3/4	1- 9/16	13/16	.14
838-247SR	2X1/2	1-29/32	1- 5/32	.25
838-248SR	2X3/4	1-29/32	1- 5/32	.26
838-249SR	2X1	1- 7/8	31/32	.26
838-334SR	3X3/4	2- 9/32	1-17/32	.58



**Special Reinforced Reducer Bushing Flush Style**

Spigot x SR Fipt - Stainless Steel Collar

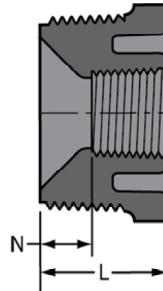


(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
838-335SR	3X1	2- 9/32	1-11/32	.59
838-336SR	3X1-1/4	2- 1/4	1- 5/16	.59
838-337SR	3X1-1/2	2- 1/4	1- 3/8	.61
838-528SR	6X2	3- 1/2	2- 9/16	2.60
838-530SR	6X3	3-17/32	2- 1/8	2.93
838-532SR	6X4	3-17/32	2	2.62

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

Mipt x Fipt



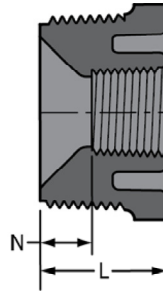
Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-041	1/4X1/8	23/32	11/32	.01
839-052	3/8X1/4	13/16	1/8	.01
839-072	1/2X1/4	29/32	9/32	.01
839-073	1/2X3/8	15/16	11/32	.01
839-098	3/4X1/4	1- 1/32	7/16	.03
839-099	3/4X3/8	1- 1/32	7/16	.02
839-101	3/4X1/2	15/16	3/16	.01
839-128	1X1/4	1- 1/8	17/32	.04
839-129	1X3/8	1- 7/32	5/8	.05
839-130	1X1/2	1- 1/16	5/16	.04
839-131	1X3/4	1- 1/8	13/32	.03
839-166	1-1/4X1/2	1- 5/16	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
839-211	1-1/2X1	1-11/32	13/32	.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	1-29/32	7/8	.21
839-337	3X1-1/2	1-15/16	29/32	.49



**Schedule 80 Fittings**

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

Mipt x Fipt

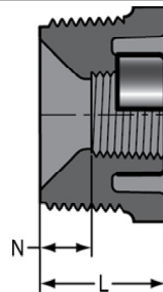


(Continued)

Part Number	Size	L	N	Approx. Wt. (Lbs.)
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**

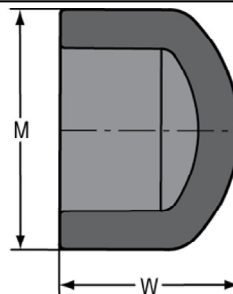
Mipt x SR Fipt - Stainless Steel Collar



Part Number	Size	L	N	Approx. Wt. (Lbs.)
839-128SR	1X1/4	1- 1/8	17/32	.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	21/32	.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

**Cap**

Socket



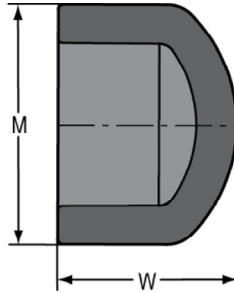
Part Number	Size	M	W	Approx. Wt. (Lbs.)
847-002	1/4	13/16	15/16	.01
847-003	3/8	31/32	1- 1/8	.02
847-005	1/2	1- 3/16	1- 7/32	.03
847-007	3/4	1- 3/8	1-13/32	.04
847-010	1	1-23/32	1- 5/8	.07
847-012	1-1/4	2- 3/32	1-27/32	.12

**Schedule 80 Fittings**



**Cap**  
Socket

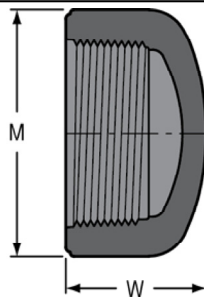
(Continued)



Part Number	Size	M	W	Approx. Wt. (Lbs.)
847-015	1-1/2	2-11/32	2	.16
847-020	2	2-7/8	2- 1/4	.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- 1/4	3-19/32	1.16
847-050F*	5	6- 1/2	4- 7/16	1.85
847-060	6	7- 1/2	4- 7/8	3.11
847-080	8	9-23/32	6- 3/8	6.30
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	89.38

\* Fabricated

**Cap**  
Fipt



Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-002	1/4	29/32	15/16	.01
848-003	3/8	31/32	29/32	.01
848-005	1/2	1- 3/16	1- 1/16	.03
848-007	3/4	1- 3/8	1- 7/32	.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- 5/8	.19
848-020	2	3- 5/32	1-25/32	.28
848-025	2-1/2	3- 5/8	2- 7/16	.53
848-030	3	4- 3/8	2- 7/16	.75
848-040	4	5- 7/16	3- 1/16	1.28
848-060F*	6	7- 3/16	4- 3/8	2.07
848-080F*	8	9- 3/8	4- 3/8	3.52
848-100F*	10	11-7/8	5-3/4	7.42

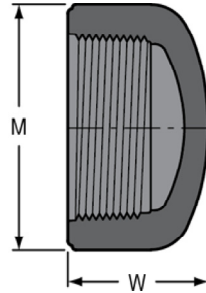


**Schedule 80 Fittings**

**Cap**

Fipt

(Continued)

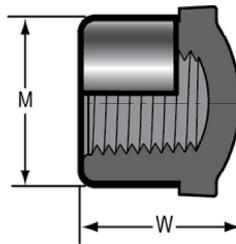


Part Number	Size	M	W	Approx. Wt. (Lbs.)
848-120F*	12	13-13/16	6-3/16	10.77

\* Fabricated

**Cap - Special Reinforced**

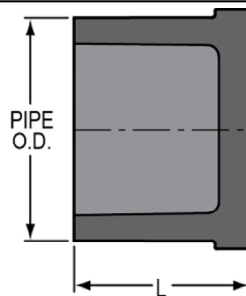
SR Fipt - Stainless Steel Collar



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

**Plug**

Spigot



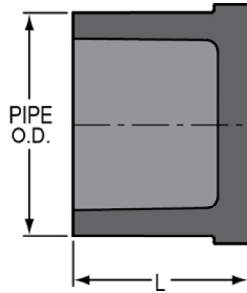
Part Number	Size	L	Approx. Wt. (Lbs.)
849-005	1/2	1- 1/8	.02
849-007	3/4	1- 1/4	.03
849-010	1	1- 3/8	.06
849-012	1-1/4	1-17/32	.09
849-015	1-1/2	1-11/16	.13
849-020	2	1- 7/8	.21
849-025F <sup>4*</sup>	2-1/2	5- 3/8	1.03
849-030F <sup>4*</sup>	3	5- 5/8	1.51
849-040F <sup>4*</sup>	4	6- 1/2	2.37
849-060F <sup>4*</sup>	6	9	6.71

**Schedule 80 Fittings**



**Plug**  
Spigot

(Continued)



Part Number	Size	L	Approx. Wt. (Lbs.)
849-080F <sup>4*</sup>	8	12	12.73
849-100F <sup>4*</sup>	10	11-15/16	19.14
849-120F <sup>4*</sup>	12	14- 1/8	26.34

<sup>4</sup> 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	13/16	.01
850-005	1/2	13/16	.01
850-007	3/4	7/8	.02
850-010	1	1- 1/4	.04
850-012	1-1/4	1- 9/32	.07
850-015	1-1/2	1-11/32	.09
850-020	2	1- 3/8	.15
850-025	2-1/2	1-25/32	.28
850-030	3	1- 7/8	.41
850-040	4	2- 3/32	.76
850-060	6	2- 3/32	1.73
850-080F <sup>4*</sup>	8	8- 5/8	11.43
850-100F <sup>4*</sup>	10	8- 7/16	12.90

<sup>4</sup> Plug fabricated using Cap and threaded pipe.

\* Fabricated

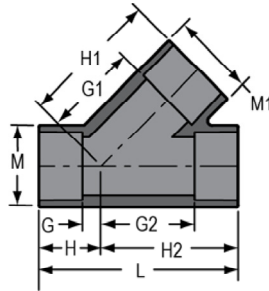


## Schedule 80 Fittings

### 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" - Larger & All Fabricated Sizes - 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	1-1/8	2-1/16	2-1/16	3-3/16	1-5/32	1-5/32	.12
875-007	3/4	5/16	1-3/8	1-3/8	1-5/16	2-3/8	2-3/8	3-23/32	1-3/8	1-3/8	.18
875-010	1	5/16	1-3/4	1-3/4	1-7/16	2-29/32	2-7/8	4-11/32	1-11/16	1-11/16	.30
875-012	1-1/4	13/32	2-5/32	2-5/32	1-21/32	3-13/32	3-13/32	5-3/32	2-1/16	2-1/16	.50
875-015	1-1/2	17/32	2-1/2	2-1/2	1-29/32	3-7/8	3-7/8	5-13/16	2-5/16	2-5/16	.68
875-020	2	5/8	3-7/32	3-7/32	2-5/32	4-7/8	4-7/8	6-7/8	2-7/8	2-7/8	1.20
875-025 <sup>1</sup>	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	4-25/32	2-27/32	6-5/8	6-21/32	9-1/2	4-3/16	4-3/16	2.99
875-040	4	1-1/4	6-1/32	6-1/32	3-1/2	8-9/32	8-9/32	11-25/32	5-1/4	5-1/4	5.16
875-050F <sup>**</sup>	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	15.44
875-060	6	1-5/32	8-25/32	8-3/16	4-3/16	11-25/32	11-3/16	15-3/8	7-9/16	7-9/16	12.00
875-080	8	1-15/16	11-11/32	11-11/32	5-31/32	15-11/32	15-11/32	21-5/16	9-3/4	9-3/4	26.25
875-080F <sup>*</sup>	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 <sup>**</sup>	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 <sup>**</sup>	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	105.25
875-140F <sup>**</sup>	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 <sup>**</sup>	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 <sup>**</sup>	18	10	29-3/8	28	19	38-3/8	37	56	19-7/8	19-7/8	255.22
875-200F <sup>**</sup>	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 <sup>**</sup>	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	617.50

<sup>1</sup> Sized with Bushing

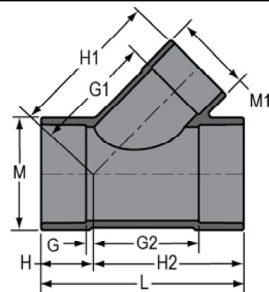
<sup>2</sup> Fiberglass reinforced.

\* Fabricated

### Wye - Reducing

Socket x Socket x Socket

1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 3" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 8" - Larger & All Fabricated Sizes - 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 <sup>1</sup>	1X3/4	1/4	2-7/32	1-27/32	1-3/8	2-31/32	2-31/32	4-11/32	1-11/16	1-11/16	.34
875-167 <sup>1</sup>	1-1/4X3/4	3/8	2-3/4	2-1/4	1-5/8	3-3/4	3-1/2	5-1/8	2-1/16	2-1/16	.59
875-168 <sup>1</sup>	1-1/4X1	3/8	2-5/8	2-1/4	1-5/8	3-3/4	3-1/2	5-1/8	2-1/16	2-1/16	.56
875-210 <sup>1</sup>	1-1/2X3/4	1/2	3-1/2	2-9/16	1-7/8	4-1/2	3-15/16	5-13/16	2-11/32	2-11/32	.84
875-211 <sup>1</sup>	1-1/2X1	1/2	3	2-9/16	1-7/8	4-5/32	3-15/16	5-13/16	2-11/32	2-11/32	.81
875-212 <sup>1</sup>	1-1/2X1-1/4	1/2	3-1/4	2-9/16	1-7/8	4-1/2	3-15/16	5-13/16	2-11/32	2-11/32	.74
875-248 <sup>1</sup>	2X3/4	5/8	4-5/32	3-7/32	2-5/32	5-5/32	4-7/8	6-7/8	2-7/8	2-7/8	1.42
875-250 <sup>1</sup>	2X1-1/4	5/8	3-5/16	3-3/8	2-5/32	5	4-3/4	6-7/8	2-7/8	2-7/8	1.39

**Schedule 80 Fittings**

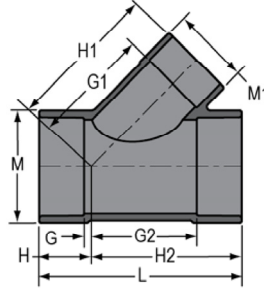


**Wye - Reducing**

(Continued)

Socket x Socket x Socket

1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 3" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 8" - Larger & All Fabricated Sizes - 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.)
875-291 <sup>1</sup>	2-1/2X1-1/2	1	6-1/4	4-9/16	3-1/16	7-5/8	6-5/8	9-11/16	4-3/16	4-3/16	2.37
875-292 <sup>1</sup>	2-1/2X2-1/2X2	1/2	3-3/4	4-3/4	2-1/2	6-7/8	6-1/2	9-3/8	4-1/4	4-1/4	2.22
875-335 <sup>1</sup>	3X1	11/16	5-7/8	4-7/32	2-9/16	6-15/16	6-1/8	8-23/32	4-3/16	4-3/16	3.58
875-336 <sup>1</sup>	3X1-1/4	7/8	5-3/4	4-1/8	2-3/4	7	6	8-3/4	4-3/16	4-3/16	3.62
875-337 <sup>1</sup>	3X1-1/2	2-5/8	5-1/2	4-1/4	2-5/8	6-7/8	6-1/8	8-3/4	4-3/16	4-3/16	3.58
875-338 <sup>1</sup>	3X2	1	5-11/32	4-3/4	2-7/8	6-31/32	6-5/8	9-1/2	4-3/16	4-3/16	3.46
875-339 <sup>1</sup>	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 <sup>1</sup>	4X1-1/2	1	6-5/8	5-1/4	3-1/4	8-13/16	7-1/2	10-3/4	5-1/4	5-3/16	3.06
875-420	4X2	-3/16	4-31/32	4-15/32	2-1/16	6-15/32	6-23/32	8-25/32	5-1/4	2-29/32	2.92
875-420F <sup>**</sup>	4X2	3-3/4	7-7/8	8-1/4	6	9-5/8	10-1/2	16-1/2	5-3/16	2-13/16	6.92
875-421F <sup>**</sup>	4X2-1/2	4-9/16	8-13/16	9-1/16	6-13/16	10-1/2	11-5/16	18-1/8	5-1/4	3-1/2	8.63
875-422 <sup>1</sup>	4X3	1/2	5-7/16	5-7/32	2-3/4	7-5/16	7-15/32	10-7/32	5-1/4	4-3/16	4.07
875-528 <sup>1</sup>	6X2	1/16	8-13/16	6-9/16	3-1/16	10-5/16	9-9/16	12-5/8	7-9/16	5-7/16	9.66
875-528F <sup>**</sup>	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	11.67
875-530 <sup>1</sup>	6X3	1/16	8-3/8	6-11/16	3	10-1/4	9-11/16	12-5/8	7-9/16	5-3/8	9.49
875-530F <sup>**</sup>	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	31/32	6-9/16	5-11/16	3-15/16	8-27/32	8-23/32	12-21/32	7-9/16	5-7/16	8.65
875-578 <sup>1</sup>	8X2	2	14-15/16	11-1/4	6	16-9/16	16-7/16	21-1/4	9-11/16	9-11/16	15.32
875-578F <sup>**</sup>	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 <sup>**</sup>	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	12.16
875-580F <sup>**</sup>	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	-11/16	9-1/8	8-1/4	3-5/16	11-3/8	12-1/4	15-9/16	9-3/4	5-1/4	14.31
875-582F <sup>**</sup>	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 <sup>1</sup>	8X6	2	12-15/16	11-1/4	6	15-15/16	15-1/4	21-1/4	9-11/16	9-11/16	31.37
875-585F <sup>**</sup>	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 <sup>**</sup>	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 <sup>**</sup>	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	24.96
875-623 <sup>1</sup>	10X3	7/8	12-7/8	11-5/8	6-1/8	15-1/4	16-7/8	23	12	4-1/8	31.04
875-623F <sup>**</sup>	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 <sup>**</sup>	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
875-626	10X6	-3/16	12	11	4-13/16	15	16	20-25/32	12-1/16	7-21/32	28.20
875-626F <sup>**</sup>	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	1-7/8	12-5/8	11-15/16	6-15/16	16-5/8	16-15/16	23-13/16	12-1/32	9-3/4	35.44
875-628F <sup>**</sup>	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 <sup>**</sup>	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 <sup>**</sup>	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	35.96
875-663F <sup>**</sup>	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 <sup>**</sup>	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 <sup>**</sup>	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	64.51
875-668F <sup>**</sup>	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



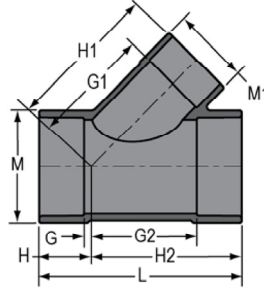
## Schedule 80 Fittings

### Wye - Reducing

(Continued)

Socket x Socket x Socket

1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 3" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)  
 8" - Larger & All Fabricated Sizes - 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.)
875-670F**	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	71.00
875-694F**	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**	14X6	2	17- 3/8	16	9	20- 5/8	23	32	15- 1/2	7- 1/2	70.63
875-698F**	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**	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	98.23
875-702F**	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	108.22
875-754F**	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	82.75
875-756F**	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	88.42
875-758F**	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	113.89
875-760F**	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**	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**	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	89.03
875-784F**	18X4	0	17- 7/8	18	9	20- 1/8	27	36	19- 7/8	5- 3/16	116.62
875-786F**	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**	18X8	3	21- 7/8	21	12	26- 1/8	30	42	19- 7/8	9- 5/8	131.07
875-790F**	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**	18X12	6	25- 1/8	24	15	31- 3/8	33	48	19- 7/8	14- 1/8	184.55
875-794F**	18X14	7	26- 3/8	25	16	33- 3/8	34	50	19- 7/8	15- 1/2	202.86
875-796F**	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	209.59
875-814F**	20X4	1	19- 3/16	19	9	21- 7/16	29	38	22- 1/16	5- 3/16	142.56
875-816F**	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**	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**	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	192.38
875-822F**	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	214.03
875-824F**	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**	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**	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**	24X4	3	21- 3/4	21	9	24	33	42	26- 7/16	5- 3/16	220.69
875-906F**	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	248.39
875-908F**	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	274.98
875-910F**	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	299.39
875-912F**	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**	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**	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**	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	255.61
875-920F**	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	372.55

<sup>1</sup> Sized with Bushing

<sup>2</sup> Fiberglass reinforced.

\* Fabricated

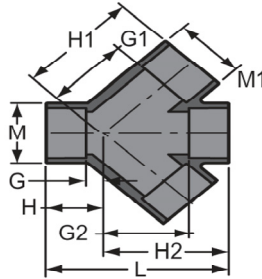
## Schedule 80 Fittings



### Double Wye

Socket x Socket x Socket x Socket

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



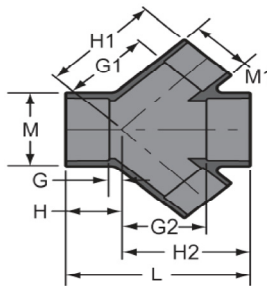
Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-020F*	2	3- 7/8	6- 1/4	6- 1/4	5- 7/16	7-13/16	7-13/16	13- 3/16	2- 7/8	2- 7/8	4.38
876-030F*	3	4-3/4	8-1/4	8-1/4	6-5/8	10-3/16	10-3/16	16-13/16	4- 3/16	4- 3/16	9.72
876-040F*	4	4-11/16	9- 3/16	9- 3/16	6-15/16	11- 7/16	11- 7/16	18- 3/8	5- 3/16	5- 3/16	12.44
876-060F*	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*	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	48.34
876-100F*	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*	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

### 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
876-421F**	4X2-1/2	4- 9/16	8-13/16	9- 1/16	6-13/16	10- 1/2	11- 5/16	18- 1/8	5- 1/4	3- 1/2	8.64
876-422F**	4X3	4-11/16	10	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**	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**	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	10.51
876-530F**	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**	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**	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	11.33
876-579F**	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	13.21
876-580F**	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**	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**	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**	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	23.16
876-622F**	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	25.15
876-623F**	10X3	3/4	13	11- 1/2	6	15- 1/4	16- 3/4	22- 3/4	11-15/16	4- 1/8	26.75
876-624F**	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	30.54
876-626F**	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**	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**	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	34.75
876-662F**	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	37.01

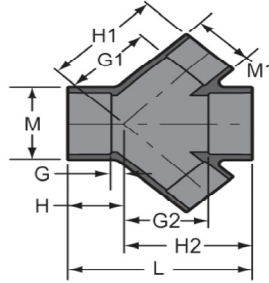


**Schedule 80 PVC Technical Information**  
**Schedule 80 Fittings & Schedule 80 Unions**

**Double Wye - Reducing**

(Continued)

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

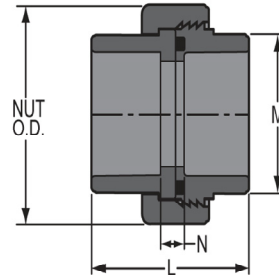


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	Approx. Wt. (Lbs.)
876-663F**	12X3	1/8	14-15/16	12- 7/8	6- 3/8	16- 9/16	19- 1/8	25- 1/2	14- 1/8	4- 1/8	40.72
876-664F**	12X4	5/8	14- 9/16	13- 3/8	6- 7/8	16-13/16	19- 5/8	26- 1/2	14- 1/8	5- 3/16	50.88
876-666F**	12X6	2- 5/8	16- 5/8	15- 3/8	8- 7/8	19- 7/8	21- 5/8	30- 1/2	14- 1/8	7- 1/2	68.01
876-668F**	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**	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

<sup>2</sup> Fiberglass reinforced.  
 \* Fabricated

**Union 2000 - Socket/FKM**

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



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

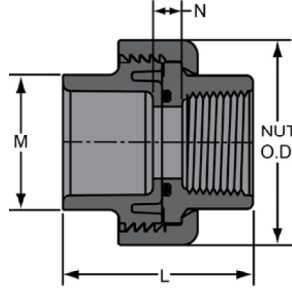
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-002	1/4	1-15/16	15/16	5/8	1-21/32	.09
857-003	3/8	2- 5/32	1- 1/32	19/32	1-25/32	.11
8057-005	1/2	2- 3/32	1- 3/16	11/32	1- 7/8	.12
8057-007	3/4	2- 3/8	1-13/32	3/8	2- 9/32	.19
8057-010	1	2-11/16	1-23/32	7/16	2- 9/16	.26
8057-012	1-1/4	2-15/16	2- 3/32	7/16	3- 3/32	.39
8057-015	1-1/2	3- 1/4	2- 3/8	1/2	3- 1/2	.52
8057-020	2	3-17/32	2- 7/8	17/32	4- 9/32	.86
8057-025	2-1/2	4- 7/32	3- 1/2	25/32	6- 5/32	2.13
8057-030	3	4- 1/4	4- 3/16	1/2	6- 5/32	2.18
8057-040	4	5- 1/8	5- 1/4	5/8	7- 3/4	3.83
8057-060	6	6-27/32	7- 1/2	25/32	11- 5/8	11.46

**Schedule 80 Unions**



**Union 2000 - Socket/Fipt/FKM**

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

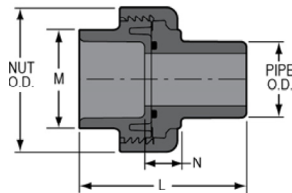


Pressure Rating  
 1/2" - 4" 235 psi @ 73°F  
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-002	1/4	1-15/16	15/16	21/32	1-21/32	.09
859-003	3/8	2- 5/32	1- 1/32	3/4	1-25/32	.11
8059-005	1/2	1- 7/8	1- 3/16	5/16	1- 7/8	.12
8059-007	3/4	2- 1/16	1-13/32	5/16	2- 9/32	.18
8059-010	1	2-13/32	1-23/32	13/32	2- 9/16	.26
8059-012	1-1/4	2-19/32	2- 3/32	13/32	3- 1/8	.38
8059-015	1-1/2	2-13/16	2- 3/8	1/2	3- 1/2	.51
8059-020	2	2-31/32	2- 7/8	13/32	4- 9/32	.84
8059-025	2-1/2	3-15/32	3- 1/2	13/32	6- 3/16	2.15
8059-030	3	3-25/32	4- 3/16	17/32	6- 5/32	2.18
8059-040	4	4- 3/8	5- 1/4	5/8	7- 3/4	3.70
8059-060	6	6-27/32	7- 1/2	1- 1/2	11- 5/8	11.43

**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

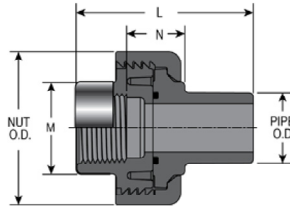
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8056-005	1/2	2- 5/16	1- 3/16	9/16	1- 7/8	.12
8056-007	3/4	2- 5/8	1- 3/8	21/32	2- 9/32	.20
8056-010	1	2-15/16	1-23/32	5/8	2- 9/16	.27
8056-012	1-1/4	3- 7/32	2- 3/32	11/16	3- 3/16	.40
8056-015	1-1/2	3- 1/2	2- 3/8	11/16	3- 9/16	.53
8056-020	2	3- 3/4	2- 7/8	3/4	4- 5/16	.81
8056-025	2-1/2	4-21/32	3-15/32	1- 5/32	6- 5/32	2.20
8056-030	3	4-25/32	4- 5/32	7/32	6- 5/32	2.24
8056-040	4	5- 5/8	5- 1/4	1- 1/8	7-23/32	3.91
8056-060	6	7- 3/4	7- 9/16	1- 1/2	11-11/16	11.46



**Schedule 80 Unions**

**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

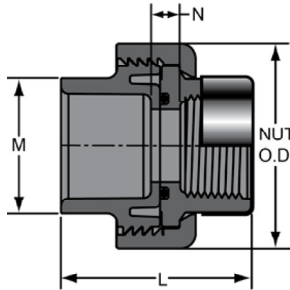


Pressure Rating  
 1/2" - 4" 235 psi @ 73°F  
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8055-005SR	1/2	2-3/8	1-3/16	3/4	1-15/16	.14
8055-007SR	3/4	2-5/8	1-3/8	7/8	2-3/8	.21
8055-010SR	1	3	1-11/16	1-1/16	2-5/8	.30
8055-012SR	1-1/4	3-1/4	2-1/16	1-1/16	3-3/16	.44
8055-015SR	1-1/2	3-1/2	2-13/32	1-1/8	3-5/8	.59
8055-020SR	2	3-15/16	3	1-7/16	4-5/16	.90
8055-025SR	2-1/2	4-7/8	3-9/16	1-13/16	6-3/16	2.38
8055-030SR	3	5-1/8	4-1/4	1-13/16	6-3/16	2.49
8055-040SR	4	5-15/16	5-1/4	2-3/16	7-3/4	4.12
8055-060SR	6	7-5/8	7-11/16	2-7/8	11-5/8	12.39

**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

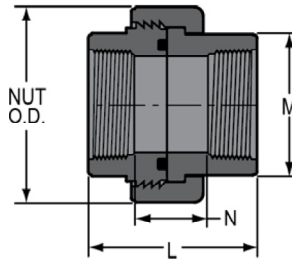
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8059-005SR	1/2	1-29/32	1- 3/16	11/32	1- 7/8	.12
8059-007SR	3/4	2- 5/32	1-13/32	13/32	2- 9/32	.20
8059-010SR	1	2- 7/16	1-23/32	7/16	2- 9/16	.27
8059-012SR	1-1/4	2- 5/8	2- 3/32	7/16	3- 1/8	.40
8059-015SR	1-1/2	2-13/16	2- 3/8	1/2	3- 1/2	.54
8059-020SR	2	3	2- 7/8	7/16	4- 7/32	.88
8059-025SR	2-1/2	3-27/32	3-15/32	27/32	6- 3/16	2.19
8059-030SR	3	3- 3/4	4- 3/16	1/2	6- 9/32	2.24
8059-040SR	4	4- 3/8	5- 1/4	5/8	7- 3/4	3.76
8059-060SR	6	6-27/32	7- 1/2	2- 5/32	11- 5/8	11.12

**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

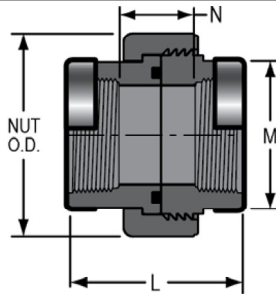


Pressure Rating  
 1/2" - 4" 235 psi @ 73°F  
 6" 150 PSI @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
858-002	1/4	1-15/16	15/16	11/16	1-21/32	.09
858-003	3/8	2- 5/32	1- 1/32	15/16	1-25/32	.12
8058-005	1/2	1-29/32	1- 3/16	17/32	1- 7/8	.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
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	3.88
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- 3/16	5/8	1- 7/8	.14
8058-007SR	3/4	2- 5/32	1- 3/8	21/32	2- 9/32	.21
8058-010SR	1	2- 9/16	1-11/16	13/16	2- 9/16	.31
8058-012SR	1-1/4	2-23/32	2- 1/32	13/16	3- 1/8	.44
8058-015SR	1-1/2	2-27/32	2-13/32	29/32	3-17/32	.60
8058-020SR	2	3- 7/32	3- 1/32	1- 3/16	4- 7/32	.97
8058-025SR	2-1/2	4- 3/32	3- 9/16	1-15/32	6- 5/32	2.37
8058-030SR	3	4- 3/16	4- 9/32	1- 3/8	6- 5/32	2.49
8058-040SR	4	4-11/16	5- 1/4	1-11/16	7- 3/4	3.96
8058-060SR	6	6- 3/16	7-11/16	2-13/16	11- 5/8	12.05

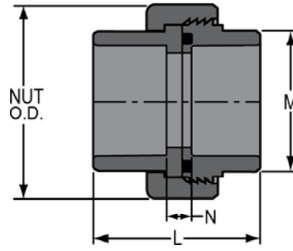


## Schedule 80 Unions

### Union (Old Style) - Socket/FKM

Socket x Socket with FKM O-ring Seal

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



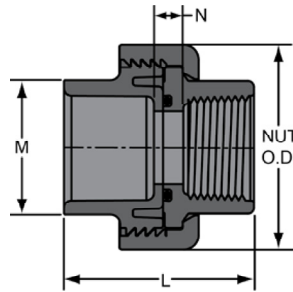
Pressure Rating  
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
857-005	1/2	2- 3/32	1- 9/32	11/32	1-31/32	.15
857-007	3/4	2- 3/8	1-17/32	11/32	2- 1/2	.26
857-010	1	2- 9/16	1-27/32	3/8	2- 7/8	.37
857-012	1-1/4	2- 7/8	2- 7/32	3/8	3- 5/16	.50
857-015	1-1/2	3- 3/32	2- 9/16	15/32	3- 9/16	.62
857-020	2	3- 5/8	3- 1/32	9/16	4- 3/16	.98
857-025	2-1/2	4- 3/8	3- 5/8	15/16	4- 7/8	1.50
857-030	3	5- 1/16	4- 3/8	1- 3/16	5- 3/4	2.35
857-040	4	5- 7/8	5-13/32	1- 3/8	7- 1/16	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

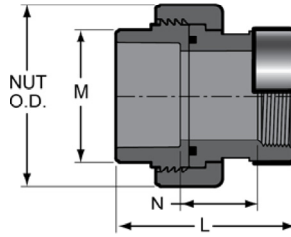
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-005	1/2	2- 3/32	1- 9/32	15/32	1-31/32	.15
859-007	3/4	2- 3/8	1-17/32	9/16	2- 1/2	.27
859-010	1	2- 9/16	1-27/32	13/32	2- 7/8	.38
859-012	1-1/4	2- 7/8	2- 7/32	5/8	3- 5/16	.52
859-015	1-1/2	3- 1/8	2-19/32	27/32	3- 9/16	.64
859-020	2	3- 5/8	3- 1/32	1-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

## Schedule 80 Unions



### 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

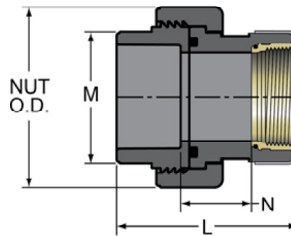


Pressure Rating  
 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-002SR	1/4	2- 1/16	15/16	25/32	1-21/32	.12
859-003SR	3/8	2- 9/32	1- 1/32	7/8	1-25/32	.12
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	1-27/32	25/32	2- 7/8	.39
859-012SR	1-1/4	3- 5/32	2- 7/32	29/32	3- 5/16	.55
859-015SR	1-1/2	3-13/32	2- 9/16	1- 1/32	3- 9/16	.68
859-020SR	2	4- 3/32	3- 1/32	1-19/32	4- 3/16	1.12
859-030SR	3	5- 1/4	4- 3/8	1-11/16	5- 3/4	2.55
859-040SR	4	5- 7/8	5-13/32	2- 1/8	7- 3/32	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



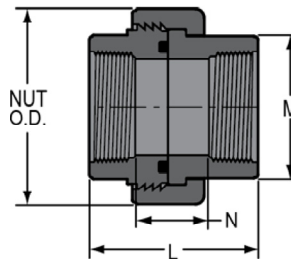
Pressure Rating  
 235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
859-007BR	3/4	2-11/16	1-17/32	15/16	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- 9/32	2- 7/32	1- 1/16	3- 5/16	.73
859-015BR	1-1/2	3- 1/2	2- 9/16	1- 3/32	3-17/32	.91
859-020BR	2	3- 5/8	2- 7/8	1- 1/4	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	11/16	1-21/32	.09
858-003	3/8	2- 5/32	1- 1/32	15/16	1-25/32	.12



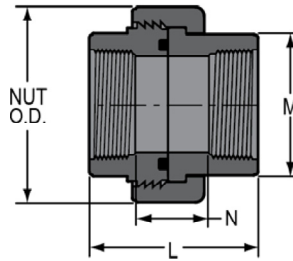
**Schedule 80 Unions**

**Union (Old Style) - Fipt/FKM**

(Continued)

Fipt x Fipt with FKM O-ring Seal

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



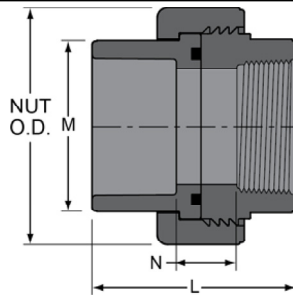
Pressure Rating  
235 psi @ 73°F

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
858-005	1/2	2- 3/32	1- 9/32	19/32	1-31/32	.16
858-007	3/4	2- 3/8	1-17/32	3/4	2- 1/2	.28
858-010	1	2- 9/16	1-27/32	7/16	2- 7/8	.39
858-012	1-1/4	2- 7/8	2- 7/32	7/8	3- 5/16	.56
858-015	1-1/2	3- 3/32	2- 9/16	1- 5/32	3- 9/16	.66
858-020	2	3- 5/8	3- 1/32	1-11/16	4- 3/16	1.07
858-025	2-1/2	4- 3/8	3- 5/8	1- 7/8	4- 7/8	1.66
858-030	3	5- 1/16	4- 3/8	1-13/16	5- 3/4	2.55
858-040	4	5- 7/8	5- 7/16	2- 3/8	7- 1/16	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)

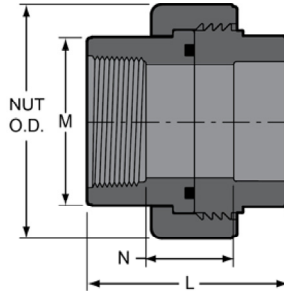
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8258-016	16 DN X 1/2	2- 3/32	1- 9/32	19/32	1-31/32	.12
8258-020	20 DN X 3/4	2- 3/8	1-17/32	3/4	2- 1/2	.20
8258-025	25 DN X 1	2-25/32	1-23/32	13/16	2-21/32	.29
8258-030	30 DN X 1-1/4	2- 7/8	2- 7/32	7/8	3- 5/16	.43
8258-040	40 DN X 1-1/2	3- 1/8	2-17/32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

**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

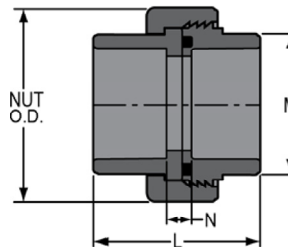


Pressure Rating  
235 psi @ 73°F  
(PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8359-005	1/2	1-29/32	1-3/16	13/32	1-15/16	.12
8359-007	3/4	2-3/8	1-17/32	9/16	2-1/2	.18
8359-010	1	2-9/16	1-27/32	13/32	2-7/8	.26
8359-012	1-1/4	2-5/8	2-1/4	7/16	3-3/16	.37
8359-015	1-1/2	3-3/32	2-9/16	23/32	3-9/16	.51
8359-020	2	3-1/32	3	17/32	4-5/16	.84
8359-030	3	5	4-3/8	1-11/16	5-25/32	2.42
8359-040	4	5-7/8	5-7/16	1-7/8	7-1/16	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

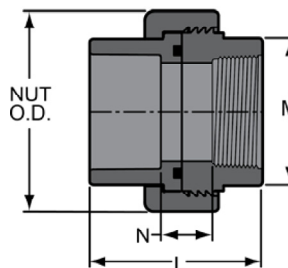


Pressure Rating  
235 psi @ 73°F  
(PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8657-020	20 d X 1/2	2-1/16	1-9/32	5/16	1-31/32	.12
8657-025	25 d X 3/4	2-11/32	1-17/32	11/32	2-1/2	.20
8657-032	32 d X 1	2-9/16	1-27/32	3/8	2-7/8	.27
8657-040	40 d X 1-1/4	2-7/8	2-7/32	3/8	3-5/16	.40
8657-050	50 d X 1-1/2	3-1/8	2-9/16	5/16	3-9/16	.51
8657-063	63 d X 2	3-5/8	3-1/32	9/16	4-3/16	.83
8657-090	90 d X 3	5-1/16	4-3/8	1-3/16	5-3/4	2.30
8657-110	110 d X 4	5-7/8	5-7/16	1-3/8	7-1/16	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	N	NUT O.D.	Approx. Wt. (Lbs.)
8658-020	20 d X 1/2	2-3/32	1-9/32	19/32	1-31/32	.13
8658-025	25 d X 3/4	2-3/8	1-17/32	3/4	2-1/2	.20

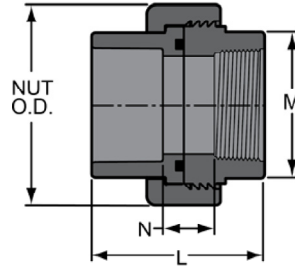


**Schedule 80 Unions**

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

(Continued)

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

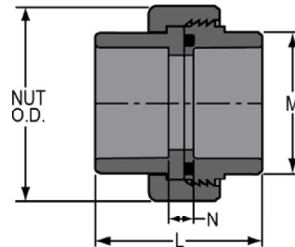


Pressure Rating  
 235 psi @ 73°F  
 (PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8658-032	32 d X1	2- 9/16	1-27/32	7/16	2- 7/8	.28
8658-040	40 d X 1-1/4	2- 7/8	2- 7/32	7/8	3- 5/16	.42
8658-050	50 d X 1-1/2	3- 3/32	2- 9/16	1- 5/32	3- 9/16	.54
8658-063	63 d X 2	3- 9/16	3- 1/32	1- 5/8	4- 3/16	.89
8658-090	90 d X 3	5- 1/16	4- 3/8	1-13/16	5- 3/4	2.39
8658-110	110 d X 4	5- 7/8	5- 7/16	2- 3/8	7- 1/16	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

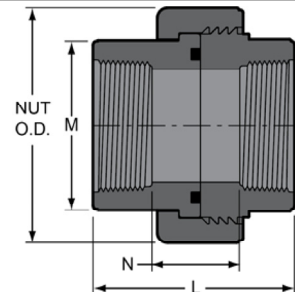


Pressure Rating  
 235 psi @ 73°F  
 (PN 16 @ 22°C)

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8257-016	16 DN X 1/2	2- 1/16	1- 9/32	5/16	1-31/32	.12
8257-020	20 DN X 3/4	2- 3/8	1-17/32	5/16	2- 1/2	.19
8257-025	25 DN X1	2- 9/16	1-27/32	3/8	2- 7/8	.27
8257-030	30 DN X 1-1/4	2-15/16	2- 3/32	7/16	3- 3/16	.41
8257-040	40 DN X 1-1/2	3- 1/8	2- 9/16	5/16	3- 9/16	.52
8257-050	50 DN X 2	3-17/32	2- 7/8	17/32	4- 5/16	.86
8257-075	75 DN X 3	5- 1/16	4- 3/8	1- 3/16	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)

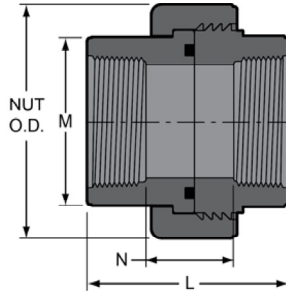
Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8358-005	1/2	2- 3/32	1- 9/32	19/32	1-31/32	.12
8358-007	3/4	2- 3/8	1-17/32	27/32	2- 1/2	.18
8358-010	1	2- 9/16	1-27/32	7/16	2- 7/8	.27
8358-012	1-1/4	2-23/32	2- 1/32	27/32	3- 3/16	.39

**Schedule 80 Unions**



**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



(Continued)

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

Part Number	Size	L	M	N	NUT O.D.	Approx. Wt. (Lbs.)
8358-015	1-1/2	3- 3/32	2- 9/16	1- 5/32	3- 9/16	.54
8358-020	2	3- 9/16	3- 1/32	1- 5/8	4- 3/16	.90
8358-030	3	5- 1/32	4-11/32	1-15/16	5-25/32	2.51
8358-040	4	5- 7/8	5- 7/16	2- 3/8	7- 1/16	4.00





## 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:

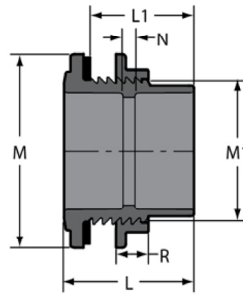
1. Locate and cut designated hole size in tank (see Minimum Hole Size in appropriate chart below).
2. Remove the nut and insert Tank Adapter through hole from inside; leave gasket in place. **Note: Body and Gasket must be installed on the inside of the tank. (except spigot style in which gasket goes 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

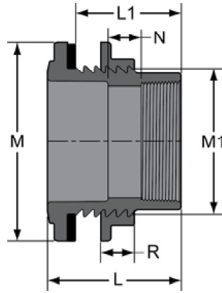


Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8170-002	1/4	2- 1/2	1-13/16	1- 1/2	1- 1/16	1- 3/16	1/2	1-1/16	.11
8170-003	3/8	2- 1/2	1-27/32	1- 5/8	31/32	7/8	1/2	1-3/16	.11
8170-005	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1- 1/8	5/8	1-1/2	.20
8170-007	3/4	2-15/16	2- 3/16	2- 1/4	1- 5/8	15/16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

**Schedule 80 Tank Adapters**



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

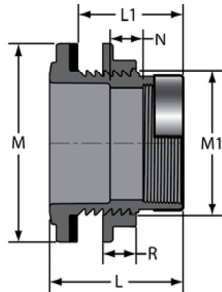


Socket x Fipt  
150 psi Maximum Internal Pressure Rating @ 73°  
F (23°C)

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- 1/2	1-13/16	1- 1/2	1- 1/16	1- 1/4	1/2	1-1/16	.11
8171-003	3/8	2- 1/2	1-13/16	1- 5/8	1- 3/16	1- 3/16	1/2	1-3/16	.11
8171-005	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1- 1/4	5/8	1-1/2	.21
8171-007	3/4	2-15/16	2-15/32	2- 1/4	1- 5/8	1- 3/16	5/8	1-3/4	.24
8171-010	1	3- 5/16	2-13/16	2- 5/8	1-31/32	1- 1/4	5/8	2	.36
8171-012	1-1/4	3-13/32	2-27/32	3- 3/32	2- 5/16	1-17/32	5/8	2-3/8	.48
8171-015	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1- 1/4	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- 7/8	7/8	5- 1/4	3-13/16	1-13/16	1	3-7/8	2.22
8171-030	3	5- 1/2	4- 1/2	6	4- 9/16	2- 3/16	1	4-5/8	2.64
8171-040	4	5	4	7- 1/2	5- 1/2	1- 1/4	1- 1/4	5-1/2	3.24
8171-060	6	4-31/32	4- 1/16	10- 1/16	7-11/16	1/16	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- 1/2	1- 1/16	1- 1/4	1/2	1-1/16	.11
8171-003SR	3/8	2- 1/2	1-13/16	1- 5/8	1- 3/16	1- 3/16	1/2	1-3/16	.11
8171-005SR	1/2	2-15/16	2- 1/4	2- 1/16	1-15/32	1- 9/32	5/8	1-1/2	.22
8171-007SR	3/4	2-15/16	2- 3/16	2- 1/4	1- 5/8	1- 1/4	5/8	1-3/4	.25
8171-010SR	1	3- 5/16	2-13/16	2- 5/8	1-31/32	1- 1/4	5/8	2	.38
8171-012SR	1-1/4	3-13/32	2- 5/8	3- 3/32	2- 5/16	1-17/32	5/8	2-3/8	.51
8171-015SR	1-1/2	3- 5/8	2-13/16	3- 5/8	2-11/16	1- 1/4	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- 7/8	5- 1/4	3-13/16	1-11/16	1	3-7/8	2.26
8171-030SR	3	5- 1/2	4- 1/2	6	4- 9/16	2- 3/16	1	4-5/8	2.70
8171-040SR	4	5	4	7- 1/2	5- 1/2	1- 1/4	1- 1/4	5-1/2	3.36
8171-060SR	6	4-31/32	4- 1/16	10- 1/16	7-11/16	1/16	1- 1/4	8	9.11

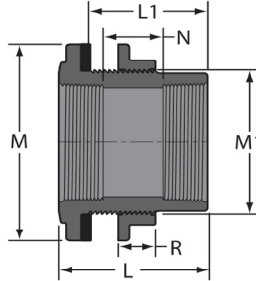


## Schedule 80 Tank Adapters

### 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

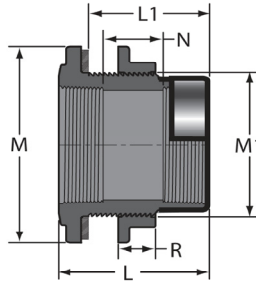


Part Number	Size	L	L1	M	M1	N	R	Min Hole Size	Approx. Wt. (Lbs.)
8172-002	1/4	2- 1/2	1-13/16	1- 1/2	1- 1/16	1- 5/16	1/2	1-1/16	.11
8172-003	3/8	2- 1/2	1-13/16	1- 5/8	1- 3/16	1- 3/8	1/2	1-3/16	.13
8172-005	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1-13/32	5/8	1-1/2	.22
8172-007	3/4	2-15/16	2-15/32	2- 1/4	1- 5/8	1- 1/2	5/8	1-3/4	.25
8172-010	1	3- 5/16	2-13/16	2- 5/8	1-31/32	1- 1/4	5/8	2	.37
8172-012	1-1/4	3-13/32	2-27/32	3- 3/32	2- 5/16	1-17/32	5/8	2-3/8	.50
8172-015	1-1/2	3-19/32	3- 1/16	3-19/32	2-21/32	1-11/16	5/8	2-3/4	.69
8172-020	2	4- 1/8	3- 1/4	4- 7/8	3- 1/4	2- 3/16	3/4	3-3/8	1.30
8172-025	2-1/2	4- 7/8	3- 7/8	5- 1/4	3-13/16	2- 1/4	1	3-7/8	2.27
8172-030	3	5- 1/2	4- 1/2	6	4- 9/16	2-11/16	1	4-5/8	2.77
8172-040	4	5	4	7- 1/2	5- 1/2	2	1- 1/4	5-1/2	3.53
8172-060	6	5	4- 3/16	9- 7/8	7-31/32	1- 5/32	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- 7/8	1- 9/16	1- 1/16	1- 5/16	1/2	1-1/16	.12
8172-003SR	3/8	2- 1/2	1-13/16	1- 5/8	1- 3/16	1- 3/8	1/2	1-3/16	.11
8172-005SR	1/2	2-15/16	2- 3/16	2- 1/16	1-15/32	1-13/32	5/8	1-1/2	.22
8172-007SR	3/4	2-15/16	2-15/32	2- 1/4	1- 5/8	1- 3/16	5/8	1-3/4	.26
8172-010SR	1	3-15/16	2-19/32	2- 5/8	1-31/32	1- 1/4	5/8	2	.39
8172-012SR	1-1/4	3-13/32	2-27/32	3- 3/32	2- 5/16	1-17/32	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	4-27/32	3- 1/32	2- 1/8	3/4	3-3/8	1.33
8172-025SR	2-1/2	4- 7/8	3- 7/8	5- 1/4	3-13/16	2- 1/4	1	3-7/8	2.38
8172-030SR	3	5-15/32	4-17/32	5-31/32	4-17/32	2-21/32	1	4-5/8	2.84
8172-040SR	4	5	4	7- 1/2	5- 1/2	2	1- 1/4	5-1/2	3.60
8172-060SR	6	5	4-3/16	9-7/8	7-31/32	1-5/32	1-1/4	8	9.46

# 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

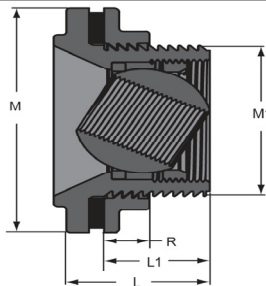
### New Style Tank Adapters Optional Wrench Sets (Nut & Body Wrench)

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- 9/16	1	1.71
8172SA-030	3	3- 1/4	2- 1/4	7- 1/2	5- 1/2	1- 1/4	3.07



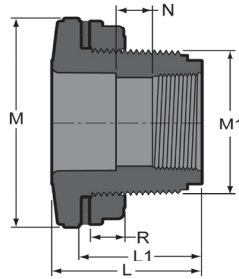
## Schedule 80 Tank Adapters

### 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



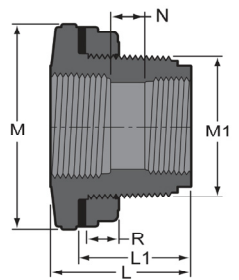
Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
871-005	1/2	2-27/32	2-11/32	2- 9/32	1- 9/32	1- 3/8	5/8	.24
871-007	3/4	2-23/32	2- 7/32	2- 1/2	1- 5/8	29/32	5/8	.29
871-010	1	2-25/32	2- 1/8	2-13/16	1- 7/8	25/32	21/32	.33
871-012	1-1/4	3- 1/8	2- 7/16	3-29/32	2-11/32	27/32	5/8	.65
871-015	1-1/2	3- 5/32	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

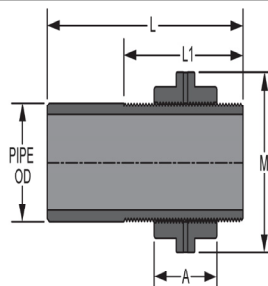


Part Number	Size	L	L1	M	M1	N	R	Approx. Wt. (Lbs.)
872-005	1/2	2-27/32	2-11/32	2- 9/32	1- 9/32	1-13/32	5/8	.24
872-007	3/4	2-23/32	2- 1/4	2- 1/2	1- 5/8	1- 5/32	5/8	.30
872-010	1	2-25/32	2- 5/16	2-13/16	1- 7/8	25/32	5/8	.34
872-012	1-1/4	3- 1/8	2- 5/8	3-27/32	2-11/32	1- 1/8	5/8	.66
872-015	1-1/2	3- 1/8	2- 5/8	3-29/32	2-11/32	1- 1/16	5/8	.57
872-020	2	3- 5/32	2- 3/8	5- 1/16	3- 7/16	1- 5/32	3/4	1.37
872-030	3	4-19/32	3-13/16	6- 7/16	4-15/32	1-11/32	1- 3/16	2.55
872-040	4	4- 7/16	3- 1/2	7- 1/2	5- 1/2	15/16	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

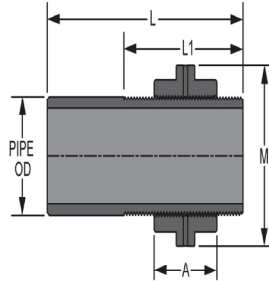
**Schedule 80 Tank Adapters**



**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, gasket and one nut inside tank. Use thread sealant on internal nut.

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 Tank Adapters

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

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

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

### 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. The self-aligning tank adapter is not suitable for use on tank sidewalls or tank bottoms. 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