

# FlameGuard® CPVC Fire Sprinkler Products Technical Information

## FlameGuard® Product Weights & Dimensions



The information contained in this section 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. All Installation and maintenance personnel should be trained in the proper handling and installation requirements and precautions of plastic piping systems. **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.

Installation must be made in accordance with Spears® Manufacturing Company  
**FlameGuard® CPVC Fire Sprinkler Piping Products Installation Instructions - FG-3**

**NOTE** — Individual or group instruction in correct solvent welding procedures is available by contacting your local distributor or your servicing Spears® Regional Distribution Center.

**SOLVENT CEMENT CONNECTIONS** — Spears® Manufacturing Company recommends the use of Spears® FS-5 One Step solvent cement for joining Spears® products. Use of solvent cementing products not approved for CPVC fire sprinkler systems, or failure to follow installation instructions will automatically void the warranty.

**THREADED CONNECTION** — Spears® Manufacturing Company recommends the use of Spears® **BLUE 75™** Thread Sealant. This product has been tested by Spears® and the sealant manufacturer for compatibility with the Spears® CPVC fire sprinkler products. Consult the sprinkler head manufacturer before using this product. **WARNING: OTHER PIPE JOINT COMPOUNDS OR PASTES MAY CONTAIN SUBSTANCES THAT COULD CAUSE STRESS CRACKING IN THE CPVC OR OTHER FITTING COMPONENTS.** Care must be taken to avoid over torquing - generally 1 to 2 turns beyond finger tight is all that is required to make up a threaded connection. Factory testing has indicated 10-25 ft. lbs. of torque is adequate to obtain a leak free seal.

**GASKET SEALED THREAD CONNECTIONS** — This type of connection can only be made with Spears® TorqueSafe™ style Gasket Sealed Female Sprinkler Adapters. DO NOT USE ANY TYPE OF THREAD SEALANT WHEN INSTALLING THIS TYPE OF ADAPTER. Tape or paste may impair proper sealing and function. Testing has shown that hand tight until snug is all that is needed to seal this special connection.

### Installation Training Available - Contact Spears® Technical Services for Details

**FlameGuard®** Products must be installed in accordance with Spears® CPVC Fire Sprinkler Piping Products Installation Instructions, National Fire Protection Association Standards 13, 13R, 13D, and in accordance with local codes. Code requirements and field conditions may differ. It is the responsibility of the installing contractor to insure that the product is suitable to meet these requirements.

### Dimension Reference

**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.

**Q** = Width of flats; ±1/16 inch.

**W** = Height of cap; ± 1/16 inch.

### CPVC FIRE SPRINKLER PIPE SDR 13.5 (ASTM F 442)

Part Number	Nominal Size		Average O.D.		Average I.D.		Approx. Weight Lbs./Ft.
	Inches	(mm)	Inches	(mm)	Inches	(mm)	
CP-007	3/4	(19.1)	1.050	(26.7)	.874	(22.5)	0.168
CP-010	1	(25.4)	1.315	(33.4)	1.101	(28.2)	0.262
CP-012	1-1/4	(31.8)	1.660	(42.2)	1.394	(35.6)	0.418
CP-015	1-1/2	(38.1)	1.900	(48.3)	1.598	(40.7)	0.548
CP-020	2	(50.8)	2.375	(60.3)	2.003	(50.9)	0.859
CP-025	2-1/2	(63.5)	2.875	(73.0)	2.423	(61.5)	1.257
CP-030	3	(76.2)	3.500	(88.9)	2.950	(75.0)	1.867

"Lead Free" low lead certification – unless other wise specified, all Spears® FlameGuard® fittings specified here-in are certified by NSF International to ANSI/ NSF- Standard 61, Annex G and is in compliance with California's Health & Safety Code Section 116825 (commonly known as AB1953) and Vermont Act 193. Weighted average lead content <=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.



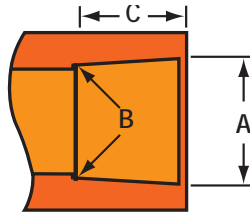


## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### SOCKET DIMENSIONS

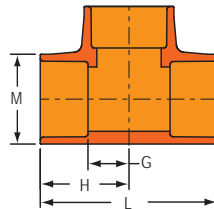
SCH 40 - ASTM F438  
SCH 80 - ASTM F439



Size	Socket Entrance A	Socket Bottom B	Tolerance	SCH 40 Minimum Socket Length C	SCH 80 Minimum Socket Length C
3/4	1.058	1.046	± .004	.719	1.000
1	1.325	1.130	± .005	.875	1.125
1-1/4	1.670	1.655	± .005	.938	1.250
1-1/2	1.912	1.894	± .006	1.094	1.375
2	2.387	2.369	± .005	1.156	1.500
2-1/2	2.889	2.868	± .007	1.750	1.750
3	3.516	3.492	± .008	1.875	1.875

#### TEE

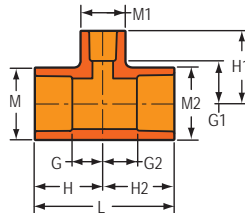
Socket x Socket x Socket



Part Number	Size	G	H	L	M	Approx. Wt. (Lbs.)
4201-007	3/4	9/16	1-1/2	2-31/32	1-5/16	.11
4201-010	1	7/8	1-13/16	3-5/8	1-5/8	.20
4201-012	1-1/4	15/32	2-3/32	4-7/32	2	.29
4201-015	1-1/2	1-5/32	2-9/16	5-3/32	2-11/32	.54
4201-020	2	1-13/32	2-15/16	5-7/8	2-7/8	.86
4201-025	2-1/2	1-23/32	3-1/2	7	3-15/32	1.62
4201-030	3	2-1/16	3-31/32	7-15/16	4-5/32	2.53

#### REDUCING TEE

Socket x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4201-102	3/4x3/4x1	3/4	3/4	3/4	1-11/16	1-25/32	1-11/16	3-13/32	1-5/16	1-21/32	1-5/16	.13
4201-125	1x3/4x3/4	23/32	7/8	23/32	1-25/32	1-13/16	1-21/32	3-7/16	1-19/32	1-11/32	1-5/16	.16
4201-126	1x3/4x1	23/32	23/32	3/4	1-27/32	1-27/32	1-3/4	3-19/32	1-5/8	1-5/8	1-5/16	.17
4201-131	1x1x3/4	11/16	13/16	11/16	1-13/16	1-13/16	1-13/16	3-5/8	1-5/8	1-5/16	1-5/8	.17
4201-157	1-1/4x1x3/4	11/16	1-1/32	11/16	1-15/16	2-1/32	1-13/16	3-25/32	2-3/32	1-13/32	1-23/32	.32

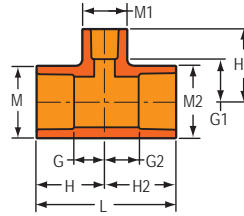
FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



**REDUCING TEE**

Socket x Socket x Socket

(continued)



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4201-158	1-1/4x1x1	27/32	29/32	25/32	2-1/16	2-1/32	1-29/32	3-15/16	1-31/32	1-5/8	1-5/8	.24
4201-159	1-1/4x1x1-1/4	31/32	31/32	31/32	2-7/32	2-7/32	2-3/32	4-11/32	2-1/8	2-1/8	1-23/32	.36
4201-167	1-1/4x1-1/4x3/4	21/32	1	21/32	1-29/32	2	1-29/32	3-13/16	2	1-5/16	2	.22
4201-168	1-1/4x1-1/4x1	13/16	1	13/16	2-1/16	2-1/8	2-1/16	4-1/8	1-31/32	1-21/32	1-31/32	.24
4201-169	1-1/4x1-1/4x1-1/2	1-1/8	15/16	1-1/8	2-3/8	2-11/32	2-3/8	4-3/4	2-3/32	2-11/32	2-3/32	.51
4201-201	1-1/2x1-1/4x3/4	11/16	1	1/4	2-1/16	2	1-15/16	4	2-5/16	1-3/8	2-1/16	.41
4201-202	1-1/2x1-1/4x1	27/32	1-1/32	1	2-7/32	2-5/32	2-1/4	4-15/32	2-5/16	1-11/16	2-1/16	.42
4201-210	1-1/2x1-1/2x3/4	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	2-11/32	.39
4201-211	1-1/2x1-1/2x1	13/16	1-3/32	13/16	2-3/16	2-1/4	2-3/16	4-3/8	2-11/32	1-3/4	2-11/32	.41
4201-212	1-1/2x1-1/2x1-1/4	1-1/32	1-3/32	1-1/32	2-13/32	2-11/32	2-13/32	4-13/16	2-11/32	2-1/8	2-11/32	.49
4201-213	1-1/2x1-1/2x2	1-9/32	1-5/32	1-9/32	2-21/32	2-21/32	2-21/32	5-11/32	2-11/32	2-29/32	2-11/32	.64
4201-248	2x2x3/4	11/16	1-13/32	11/16	2-7/32	2-7/16	2-7/32	4-7/16	2-27/32	1-3/8	2-27/32	.52
4201-249	2x2x1	27/32	1-13/32	27/32	2-11/32	2-9/16	2-11/32	4-23/32	2-7/8	1-3/4	2-7/8	.58
4201-250	2x2x1-1/4	1-1/32	1-11/32	1-1/32	2-17/32	2-19/32	2-17/32	5-3/32	2-7/8	2-3/32	2-7/8	.65
4201-251	2x2x1-1/2	1-5/32	1-7/16	1-5/32	2-11/16	2-13/32	2-11/16	5-3/8	2-7/8	2-13/32	2-7/8	.79
4201-289	2-1/2x2-1/2x1	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	3-17/32	1.01
4201-290	2-1/2x2-1/2x1-1/4	1-3/32	1-23/32	1-1/32	2-13/16	2-31/32	2-13/16	5-21/32	3-9/16	2-3/32	3-9/16	1.13
4201-291	2-1/2x2-1/2x1-1/2	1-3/16	1/2	1-3/16	2-15/16	1-7/8	2-15/16	5-7/8	3-15/32	2-11/32	3-15/32	1.26
4201-292	2-1/2x2-1/2x2	1-13/32	1-5/8	1-13/32	3-3/16	3-1/8	3-3/16	6-3/8	3-1/2	2-7/8	3-1/2	1.37
4201-335	3x3x1	7/8	1-15/16	7/8	2-3/4	3-1/16	2-3/4	5-15/32	4-3/16	1-23/32	4-3/16	1.26
4201-336*	3x3x1-1/4	1-3/8	1-3/4	1-3/8	3-5/16	3-1/2	3-5/16	6-5/8	4-1/8	2-7/8	4-1/8	1.94
4201-337	3x3x1-1/2	1-5/32	2-1/16	1-5/32	3-1/32	3-7/16	3-1/32	6-3/32	4-3/16	2-3/8	4-3/16	1.46
4201-338	3x3x2	1-7/16	1-13/16	1-7/16	3-5/16	3-5/16	3-5/16	6-19/32	4-3/16	2-7/8	4-3/16	1.69
4201-339	3x3x2-1/2	1-3/4	1-31/32	1-3/4	3-5/8	3-23/32	3-5/8	7-1/4	4-3/16	3-17/32	4-3/16	2.11

\* Branch Outlet Sized with Bushing

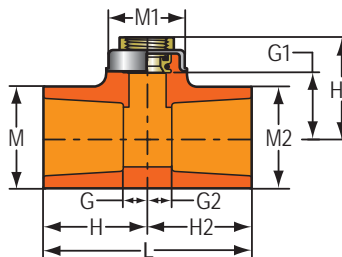
**TorqueSafe™ SPRINKLER HEAD TEE**

Gasket Sealed Brass

Thread Insert Style

Socket x Socket x Gasket FIPT

With Elastomer Seal - Use NO Thread Sealant



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4202-101 G	3/4x3/4x1/2	7/16	1-3/16	7/16	1-7/16	1-7/16	1-17/32	2-29/32	1-3/8	1-3/8	1-3/8	.22
4202-124 G	1x3/4x1/2	7/16	1-11/32	9/16	1-9/16	1-11/16	1-9/16	3-1/8	1-11/16	1-3/8	1-3/8	.26
4202-130 G	1x1x1/2	7/16	1-11/32	7/16	1-9/16	1-11/16	1-9/16	3-1/8	1-23/32	1-3/8	1-23/32	.28
4202-166 G	1-1/4x1-1/4x1/2	7/16	1-5/8	7/16	1-11/16	1-15/16	1-11/16	3-3/8	2-1/16	1-3/8	2-1/16	.34
4202-209 G	1-1/2x1-1/2x1/2	1/2	1-13/16	1/2	1-7/8	2-3/32	1-7/8	3-3/4	2-11/32	1-3/8	2-11/32	.41
4202-247 G	2x2x1/2	1/2	2-1/16	1/2	2	2-11/32	2	4-1/32	2-27/32	1-3/8	2-27/32	.54

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





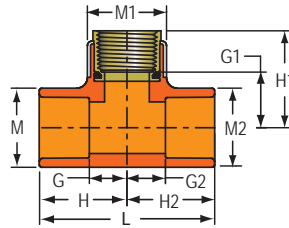
## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### SPRINKLER HEAD TEE

##### Brass Thread Insert Style

Socket x Socket x Fipt



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4202-010	1x1x1	21/31	1-3/16	21/31	1-25/32	1-29/32	1-25/32	3-19/32	1-23/32	1-23/32	1-23/32	.37

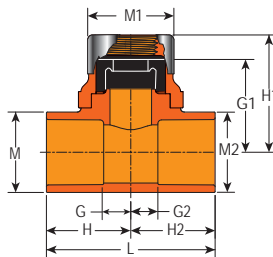
**Not intended to convey or dispense water for human consumption through drinking or cooking**

#### SofTorque™ SR REDUCING TEE

##### Gasket Sealed Special Reinforced Plastic Thread Style

Socket x Socket x SR Fipt

With Elastomer Seal - Use NO Thread Sealant

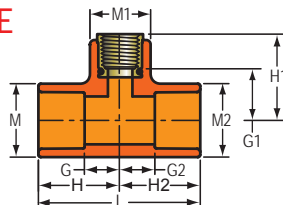


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt.
4202-101GSR	3/4x3/4x1/2	7/16	1-1/2	7/16	1-3/8	1-7/8	1-3/8	2-3/4	1-5/16	1-3/8	1-5/16	.16
4202-130GSR	1x1x1/2	7/16	1-5/8	7/16	1-1/2	2	1-1/2	3	1-5/8	1-3/8	1-5/8	.20

#### SPRINKLER REDUCING HEAD TEE

##### Brass Thread Insert Style

Socket x Socket x Fipt



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4202-101	3/4x3/4x1/2	7/16	1-1/16	7/16	1-15/32	1-5/8	1-15/32	2-29/32	1-13/32	1-3/16	1-13/32	.20
4202-124	1x3/4x1/2	7/16	1-11/32	9/16	1-9/16	1-11/16	1-9/16	3-1/8	1-11/16	1-3/8	1-3/8	.26
4202-130	1x1x1/2	7/16	1-7/32	7/16	1-9/16	1-25/32	1-9/16	3-1/8	1-3/4	1-3/16	1-3/4	.26
4202-156	1-1/4x1x1/2	7/16	1-7/16	9/16	1-11/16	2-1/32	1-11/16	3-3/8	2-3/32	1-3/16	1-23/32	.30
4202-166	1-1/4x1-1/4x1/2	7/16	1-15/32	7/16	1-11/16	2-1/32	1-11/16	3-3/8	2-3/32	1-3/16	2-3/32	.31
4202-199	1-1/2x1-1/4x1/2	1/2	1-5/8	9/16	1-7/8	2-3/16	1-13/16	3-11/16	2-11/32	1-3/16	2-1/16	.37
4202-209	1-1/2x1-1/2x1/2	1/2	1-5/8	1/2	1-7/8	2-3/16	1-7/8	3-3/4	2-11/32	1-3/16	2-11/32	.38
4202-237	2x1-1/2x1/2	1/2	1-27/32	17/32	2	2-7/16	1-29/32	3-15/16	2-7/8	1-3/16	2-11/32	.47
4202-247	2x2x1/2	1/2	1-7/8	1/2	2	2-7/16	2	4-1/32	2-27/32	1-3/16	2-27/32	.50

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

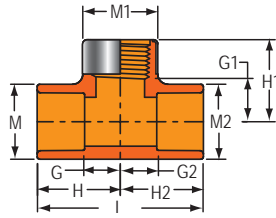
FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



**SPRINKLER HEAD TEE**

**Special Reinforced  
Plastic Thread Style**

Socket x Socket x SR Fipt

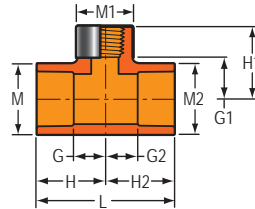


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4202-010SR	1x1x1	21/32	3/4	21/32	1-25/32	1-5/8	1-25/32	3-19/32	1-23/32	1-11/16	1-23/32	.26

**SPRINKLER REDUCING HEAD TEE**

**Special Reinforced  
Plastic Thread Style**

Socket x Socket x SR Fipt



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4202-101SR	3/4x3/4x1/2	19/32	25/32	19/32	1-19/32	1-7/16	1-19/32	3-7/32	1-13/32	1-3/16	1-13/32	.15
4202-124SR	1x3/4x1/2	7/16	29/32	9/16	1-19/32	1-5/8	1-9/16	3-5/32	1-23/32	1-3/16	1-17/32	.19
4202-130SR	1x1x1/2	7/16	29/32	7/16	1-9/16	1-5/8	1-9/16	3-1/8	1-23/32	1-3/16	1-23/32	.20
4202-156SR	1-1/4x1x1/2	15/32	1-5/32	19/32	1-23/32	1-7/8	1-23/32	3-13/32	2-3/32	1-3/16	1-23/32	.26
4202-166SR	1-1/4x1-1/4x1/2	7/16	1-1/8	7/16	1-11/16	1-27/32	1-11/16	3-3/8	2-3/32	1-3/16	2-3/32	.26
4202-168SR	1-1/4x1-1/4x1	27/32	1-1/32	27/32	2-3/32	1-29/32	2-3/32	4-7/32	2-3/32	1-11/16	2-3/32	.34
4202-199SR	1-1/2x1-1/4x1/2	9/16	1-9/32	17/32	1-15/16	2	1-25/32	3-23/32	2-11/32	1-3/16	2-3/32	.33
4202-209SR	1-1/2x1-1/2x1/2	1/2	1-1/4	1/2	1-7/8	1-31/32	1-7/8	3-3/4	2-11/32	1-3/16	2-11/32	.35
4202-211SR	1-1/2x1-1/2x1	27/32	1-7/32	27/32	2-7/32	2-1/8	2-7/32	4-15/32	2-11/32	1-23/32	2-11/32	.44
4202-237SR	2x1-1/2x1/2	23/32	1-9/16	3/8	2-7/32	2-9/32	1-3/4	3-31/32	2-7/8	1-3/16	2-11/32	.45
4202-247SR	2x2x1/2	1/2	31/32	1/2	2	1-11/16	19/32	4	2-7/8	1-3/16	2-7/8	.48
4202-287SR	2-1/2x2-1/2x1/2	17/32	1-3/4	17/32	2-9/32	2-1/2	2-9/32	4-19/32	3-1/2	1-7/32	3-1/2	.78

**TorqueSafe™**

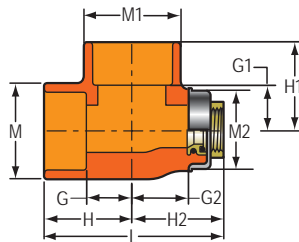
**SPRINKLER HEAD TEE**

**Gasket Sealed**

**Brass Thread Insert Style**

Socket x Gasket Fipt x Socket

With Elastomer Seal - Use NO Thread Sealant



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4203-122 G	1x1/2x1	19/32	13/16	1-13/32	1-19/32	1-27/32	1-3/4	3-11/32	1-5/8	1-5/8	1-3/8	.25

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



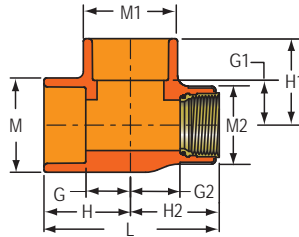


## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### SPRINKLER HEAD TEE Brass Thread Insert Style

Socket x Fipt x Socket

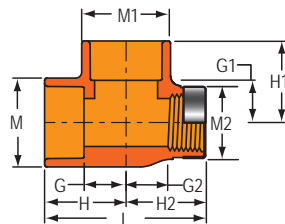


Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4203-122	1x1/2x1	23/32	3/4	1-1/4	1-5/8	1-5/8	1-15/16	3-1/2	1-23/32	1-23/32	1-3/16	.25

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

#### SPRINKLER HEAD TEE Special Reinforced Plastic Thread Style

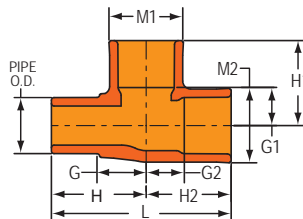
Socket x SR Fipt x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M	M1	M2	Approx. Wt. (Lbs.)
4203-122SR	1x1/2x1	27/32	23/32	1-3/32	1-23/32	1-5/8	1-25/32	3-13/32	1-3/4	1-3/4	1-3/16	.21

#### STREET TEE

Spigot x Socket x Socket



Part Number	Size	G	G1	G2	H	H1	H2	L	M1	M2	Approx. Wt. (Lbs.)
4244-007	3/4	13/16	27/32	27/32	1-13/16	1-7/8	1-7/8	3-5/8	1-13/32	1-13/32	.16
4244-010	1	1-5/32	1-1/32	1-1/32	2-1/8	1-29/32	1-29/32	4-3/16	1-3/4	1-3/4	.27
4244-012	1-1/4	1-1/4	1	1	2-7/16	2-9/32	2-9/32	4-27/32	2-3/32	2-3/32	.42
4244-015	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	2-11/32	.56
4244-020	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	2-7/8	.84

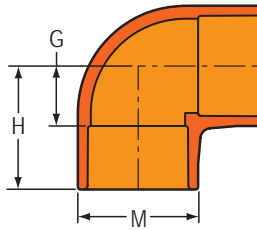


FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



### 90° ELBOW

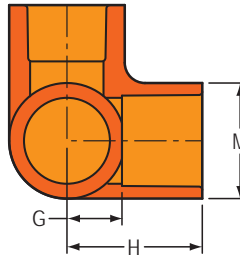
Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
4206-007	3/4	9/16	1-1/2	1-5/16	.07
4206-010	1	3/4	1-5/8	1-5/8	.11
4206-012	1-1/4	15/16	2-3/16	2	.22
4206-015	1-1/2	1-5/32	2-17/32	2-3/8	.41
4206-020	2	1-13/32	2-29/32	2-7/8	.62
4206-025	2-1/2	1-15/32	3-3/8	3-1/2	1.15
4206-030	3	1-29/32	3-23/32	4-3/16	1.80

### SIDE OUTLET ELBOW

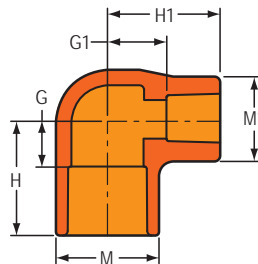
Socket x Socket x Socket



Part Number	Size	G	H	M	Approx. Wt. (Lbs.)
4213-007	3/4	27/32	1-19/32	1-5/16	.09
4213-010	1	13/16	1-7/8	1-5/8	.18

### REDUCING 90° ELBOW

Socket x Socket



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4206-131	1x3/4	21/32	13/16	1-25/32	1-13/16	1-19/32	1-5/16	.11





## FlameGuard® CPVC Fire Sprinkler Products Technical Information

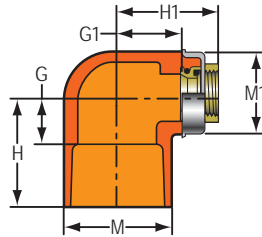
### FlameGuard® Product Weights & Dimensions

#### TorqueSafe™ 90° SPRINKLER HEAD ELBOW

##### Gasket Sealed Brass Thread Insert Style

Socket x Gasket Fipt

With Elastomer Seal - Use NO Thread Sealant



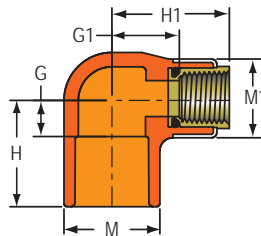
Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4207-101 G	3/4x1/2	9/16	1-7/32	1-13/32	1-17/32	1-13/32	1-3/8	.19
4207-130 G	1x1/2	7/16	1-3/16	1-9/16	1-11/16	1-23/32	1-3/8	.23
4207-166 G	1-1/4x1/2	15/32	1-19/32	1-15/16	1-11/16	2-3/32	1-3/8	.25

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

#### SPRINKLER HEAD 90° ELBOW

##### Brass Thread Insert Style

Socket x Fipt



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4207-101	3/4x1/2	1/2	1-3/32	1-1/2	1-5/8	1-13/32	1-3/16	.17
4207-130	1x1/2	7/16	1-7/32	1-19/32	1-25/32	1-23/32	1-3/16	.21
4207-131	1x3/4	17/32	1-11/32	1-21/32	1-31/32	1-23/32	1-3/8	.25
4207-166	1-1/4x1/2	15/32	1-17/32	1-11/16	1-15/16	2-3/32	1-17/32	.33

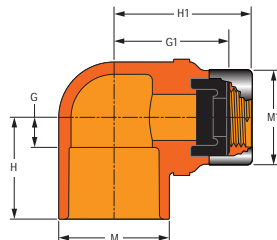
Not intended to convey or dispense water for human consumption through drinking or cooking

#### SofTorque™ SR 90° ELBOW SPRINKLER HEAD ADAPTER

##### Gasket Sealed Special Reinforced Plastic Thread Style

Socket x SR Fipt

With Elastomer Seal - Use NO Thread Sealant



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4207-130GSR	1x1/2	7/16	1-11/16	1-1/2	2	1-21/32	1-3/8	.19
4207-166GSR	1-1/4x1/2	7/16	1-7/8	1-11/16	2-7/32	2	1-3/8	.22

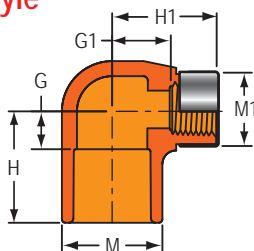




## SPRINKLER HEAD 90° ELBOW

### Special Reinforced Plastic Thread Style

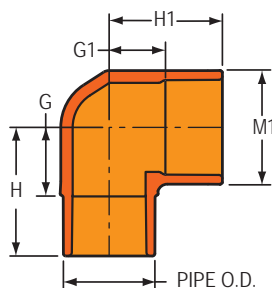
Socket x SR Fipt



Part Number	Size	G	G1	H	H1	M	M1	Approx. Wt. (Lbs.)
4207-101SR	3/4x1/2	11/32	13/16	1-15/32	1-1/2	1-13/32	1-3/16	.14
4207-130SR	1x1/2	7/16	7/8	1-9/16	1-5/8	1-23/32	1-3/8	.20
4207-131SR	1x3/4	1/2	7/8	1-5/8	1-9/16	1-23/32	1-3/8	.16
4207-166SR	1-1/4x1/2	13/32	1-1/32	1-21/32	1-23/32	2-3/32	1-7/32	.19

## 90° STREET ELBOW

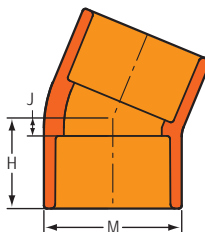
Spigot x Socket



Part Number	Size	G	G1	H	H1	M1	Approx. Wt. (Lbs.)
4209-007	3/4	29/32	19/32	1-15/16	1-11/16	1-13/32	.12
4209-010	1	1-3/32	27/32	2-7/32	1-7/32	1-23/4	.20
4209-012	1-1/4	1-9/16	27/32	2-13/16	2-3/32	2-3/32	.32
4209-015	1-1/2	1-15/32	1-3/16	2-27/32	2-9/16	2-11/32	.42
4209-020	2	1-23/32	1-3/8	3-7/32	2-15/16	2-27/32	.65

## 22-1/2° ELBOW

Socket x Socket



Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
4216-007	3/4	1-3/16	7/32	1-13/32	.09
4216-010	1	1-3/8	9/32	1-25/32	.14
4216-012	1-1/4	1-1/2	5/16	2-3/32	.20
4216-015	1-1/2	1-7/16	13/32	1-3/8	.19
4216-020	2	1-7/8	3/8	2-27/32	.43
4216-030	3	2-3/8	1/2	4-5/32	1.00

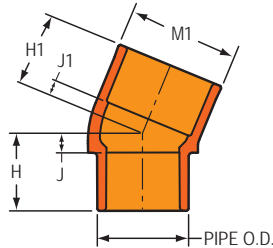




FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**

## 22-1/2° STREET ELBOW

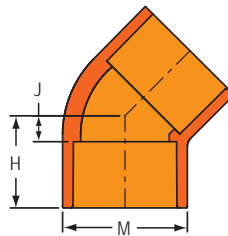
Spigot x Socket



Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
4242-007	3/4	1-1/4	1-1/2	1/4	1/2	1-3/8	.08
4242-010	1	1-7/16	1-11/32	5/16	7/32	1-23/32	.14
4242-012	1-1/4	1-9/16	1-25/32	17/32	11/16	2-1/16	.21
4242-015	1-1/2	1-13/32	1-23/32	1/2	11/32	2-11/32	.28
4242-020	2	1-29/32	2-1/8	7/32	5/8	2-7/8	.42
4242-025	2-1/2	2-7/32	2-7/32	15/32	15/32	3-1/2	.68
4242-030	3	2-13/32	2-13/32	9/16	17/32	4-5/32	.99

## 45° ELBOW

Socket x Socket

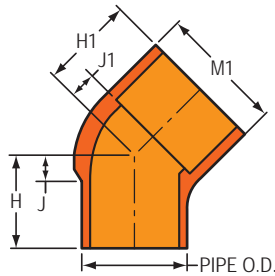


Part Number	Size	H	J	M	Approx. Wt. (Lbs.)
4217-007	3/4	1-11/32	13/32	1-5/16	.07
4217-010	1	1-13/32	3/8	1-5/8	.11
4217-012	1-1/4	1-5/8	3/8	2-1/8	.24
4217-015	1-1/2	1-13/16	7/16	2-13/32	.32
4217-020	2	2-1/8	5/8	2-7/8	.47
4217-025	2-1/2	2-17/32	3/4	3-1/2	.88
4217-030	3	2-29/32	29/32	4-5/32	1.16



## 45° STREET ELBOW

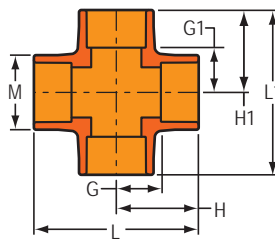
Spigot x Socket



Part Number	Size	H	H1	J	J1	M1	Approx. Wt. (Lbs.)
4227-010	1	1-1/2	1-3/8	1/2	11/4	1-5/8	.10
4227-012	1-1/4	1-25/32	1-9/16	9/16	11/32	1-31/32	.15
4227-015	1-1/2	2-1/32	2-1/8	19/32	25/32	2-11/32	.29
4227-020	2	2-5/16	1-15/16	25/32	13/32	2-7/8	.44

## CROSS

Socket x Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	L1	M	Approx. Wt. (Lbs.)
4220-007	3/4	5/8	5/8	1-21/32	1-21/32	3-5/16	3-5/16	1-13/32	.22
4220-010	1	3/4	3/4	1-5/8	1-5/8	3-1/4	3-1/4	1-23/32	.23
4220-012	1-1/4	1-1/8	1-1/8	2-3/8	2-3/8	4-3/4	4-3/4	2-3/32	.63
4220-015	1-1/2	1-7/32	1-7/32	2-5/8	2-5/8	5-7/32	5-7/32	2-3/8	.80
4220-020	2	1-1/2	1-1/2	3	3	6	6	3	1.36
4220-025	2-1/2	1-11/16	1-11/16	3-7/16	3-7/16	6-7/8	6-7/8	3-17/32	2.16
4220-030	3	2-3/32	2-3/32	3-31/32	3-31/32	7-15/16	7-15/16	4-7/16	3.37



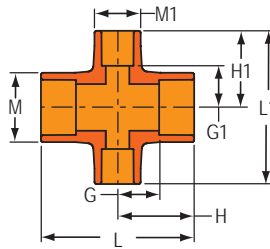


## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### REDUCING CROSS

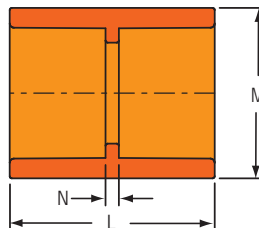
Socket x Socket x Socket x Socket



Part Number	Size	G	G1	H	H1	L	L1	M	M1	Approx. Wt. (Lbs.)
4220-131	1x3/4	23/32	5/8	1-5/8	1-5/8	3-1/4	3-1/4	1-7/8	1-1/2	.31
4220-167	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	.35
4220-210	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	.42
4220-248	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	.56
4220-289	2-1/2x1	29/32	1-3/4	2-11/16	2-7/8	5-11/32	5-3/4	3-1/2	1-3/4	.98

#### COUPLING

Socket x Socket



Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
4229-007	3/4	1-31/32	1-5/16	3/32	.05
4229-010	1	2-3/16	1-5/8	3/32	.08
4229-012	1-1/4	2-19/32	2	3/32	.13
4229-015	1-1/2	2-7/8	2-11/32	3/32	.22
4229-020	2	3-1/8	2-27/32	3/32	.32
4229-025	2-1/2	3-11/16	3-15/32	3/16	.48
4229-030	3	4	4-3/16	1/4	.89

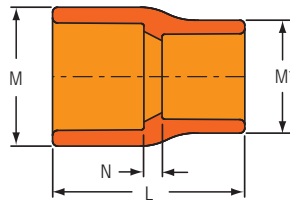


FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



## REDUCER COUPLING

Socket x Socket

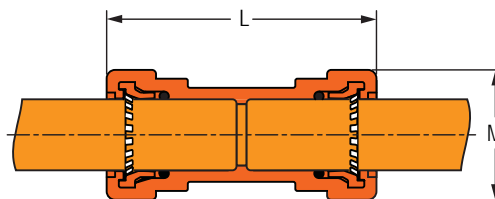


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4229-131	1x3/4	2-3/8	1-23/32	1-13/32	7/32	.10
4229-167	1-1/4x3/4	2-19/32	2-3/32	1-5/8	11/32	.17
4229-168	1-1/4x1	2-11/16	2-3/32	1-23/32	5/16	.18
4229-210	1-1/2x3/4	2-13/16	2-11/32	1-13/32	15/32	.19
4229-211	1-1/2x1	2-7/8	2-11/32	1-15/16	3/8	.24
4229-212	1-1/2x1-1/4	2-13/16	2-13/32	2-1/8	5/32	.23
4229-248	2x3/4	3-3/16	2-7/8	1-7/16	23/32	.32
4229-249	2x1	3-1/8	2-7/8	1-23/32	1/2	.31
4229-250	2x1-1/4	3-3/16	2-7/8	2-1/8	17/32	.33
4229-251	2x1-1/2	3-3/16	2-27/32	2-11/32	9/32	.31
4229-291	2-1/2x1-1/2	3-23/32	3-15/32	2-11/32	21/32	.51
4229-292	2-1/2x2	3-21/32	3-1/2	2-7/8	13/32	.52
4229-337	3x1-1/2	3-1/2	4-3/16	2-3/8	7/32	.71
4229-339	3x2-1/2	3-27/32	4-3/16	3-1/2	3/16	.80

## GripLoc™ PUSH-ON COUPLING – LEAD FREE

w/EPDM O-Ring Seals

Push-On Compression



175 psi Maximum  
Internal Pressure @ 180°F

**WARNING: DO NOT INSERT FINGERS.**

Part Number	Size	L	M	Approx. Wt. (Lbs.)
GL4229-007	3/4	4	1-15/16	.26
GL4229-010	1	4-1/8	2-1/4	.35



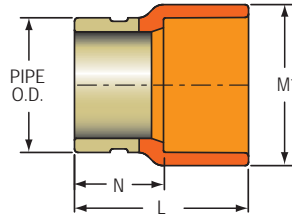


## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### GROOVED COUPLING ADAPTER

Groove x Socket



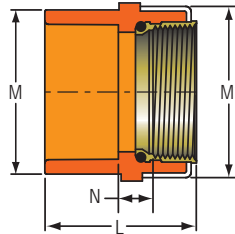
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4233-012	1-1/4	3-5/8	2-3/32	2-11/32	.72
4233-015	1-1/2	3-3/4	2-11/32	2-11/32	.83
4233-020	2	3-27/32	2-27/32	2-11/32	1.27
4233-025	2-1/2	4-3/16	3-15/32	2-7/16	2.02
4233-030	3	4-5/32	4-1/8	2-7/16	2.79

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

#### FEMALE ADAPTER

Brass Thread Insert Style

Socket x Fipt



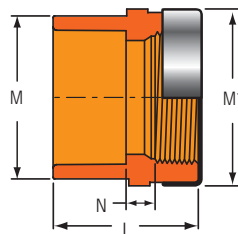
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-007	3/4	2	1-13/32	1-3/8	5/16	.23
4235-010	1	2-3/16	1-3/4	1-11/16	11/32	.25
4235-012	1-1/4	2-3/8	2-3/32	2-1/16	3/8	.36
4235-015	1-1/2	2-17/32	2-11/32	2-7/16	3/8	.49
4235-020	2	2-25/32	2-27/32	3-3/16	7/16	1.05

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

#### FEMALE ADAPTER

Special Reinforced Plastic Thread Style

Socket x SR Fipt



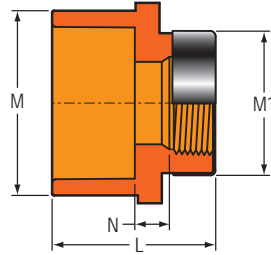
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-007SR	3/4	1-7/8	1-13/32	1-3/8	3/32	.08
4235-010SR	1	2-5/32	1-23/32	1-7/8	3/32	.22
4235-012SR	1-1/4	2-5/16	2-1/8	2-1/16	3/16	.20



## FEMALE REDUCING SPRINKLER HEAD ADAPTER

### Special Reinforced Plastic Thread Style

Socket x SR Fipt



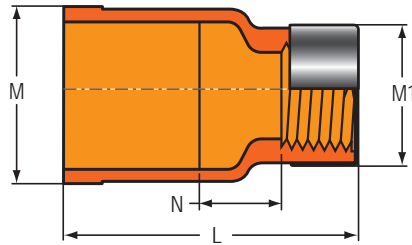
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-101SR	3/4x1/2	1-29/32	1-13/32	1-3/16	1/8	.08
4235-130SR	1x1/2	1-15/16	1-23/32	1-3/8	3/32	.16
4235-131SR	1x3/4	2-3/32	1-3/4	1-3/8	1/4	.13

## FEMALE SPRINKLER HEAD ADAPTER

### Special Reinforced Plastic Thread Style with Socket Wrench Flats

Socket x SR Fipt

M = Flat-to-Flat Dimension

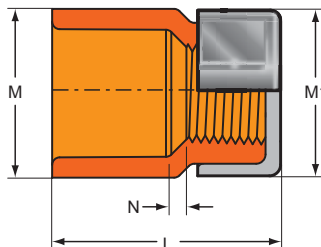


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
W4235-101SR	3/4x1/2	2-9/32	1-13/32	1-3/16	17/32	.09
W4235-130SR	1x1/2	2-9/32	1-3/4	1-3/16	13/32	.12

## FEMALE SPRINKLER HEAD ADAPTER

### Special Reinforced Plastic Thread w/Metal Thread Start

Socket x SR Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
Z4235-101SR	3/4x1/2	1-7/8	1-3/8	1-7/16	3/16	.08



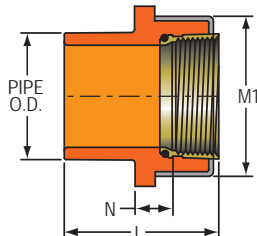


FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**

### SPIGOT FEMALE ADAPTER

#### Brass Thread Insert Style

Spigot x Fipt



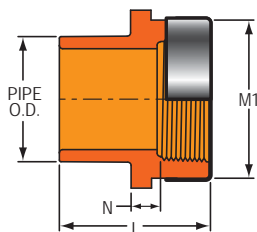
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4278-007	3/4	2-5/32	1-3/8	17/32	.15
4278-010	1	2-9/32	1-11/16	7/16	.22

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

### SPIGOT FEMALE ADAPTER

#### Special Reinforced Plastic Thread Style

Spigot x SR Fipt



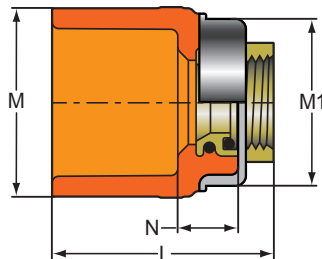
Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4278-007SR	3/4	1-15/16	1-3/8	11/32	.08
4278-010SR	1	2-1/4	1-23/32	13/32	.13

### TorqueSafe™ FEMALE SPRINKLER HEAD ADAPTER

#### Gasket Sealed Brass Thread Insert Style

Socket x Gasket Fipt

With Elastomer Seal - Use NO Thread Sealant



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-101 G	3/4x1/2	1-7/8	1-13/32	1-3/8	17/32	.15
4235-130GS	1x1/2	2-1/32	1-11/16	1-3/8	17/32	.17
4235-131 G	1x3/4	2	1-11/16	1-9/16	9/16	.18

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

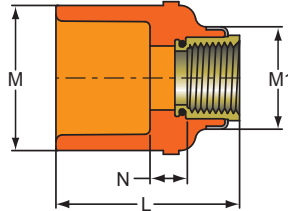




## FEMALE SPRINKLER HEAD ADAPTER

### Brass Thread Insert Style

Socket x Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-101	3/4x1/2	1-7/8	1-13/32	1-17/32	15/32	.19
4235-130	1x1/2	2-11/32	1-11/16	1-3/16	5/8	.16
4235-131	1x3/4	2-5/16	1-11/16	1-3/8	17/32	.18

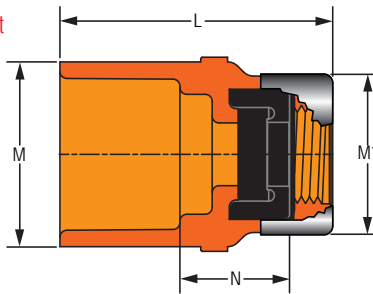
Not intended to convey or dispense water for human consumption through drinking or cooking

## SofTorque™ SR FEMALE SPRINKLER HEAD ADAPTER

### Gasket Sealed Special Reinforced Plastic Thread Style

Socket x SR Fipt

With Elastomer Seal - Use NO Thread Sealant

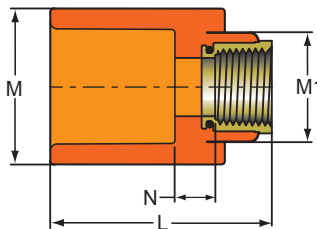


Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
4235-101GSR	3/4x1/2	2-5/16	1-5/16	1-3/8	31/32	.11
4235-130GSR	1x1/2	2-13/32	1-19/32	1-3/8	31/32	.13

## FEMALE SPRINKLER HEAD ADAPTER

### Brass Thread Insert Style with Long Body

Socket x Fipt



Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
L4235-130	1x1/2	2-3/16	1-23/32	1-7/32	1/2	.19

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



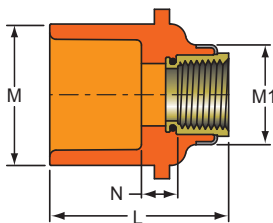


FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**

**FEMALE SPRINKLER HEAD ADAPTER**

**Brass Thread Insert Style  
 with Positioning Ring**

Socket x Fipt



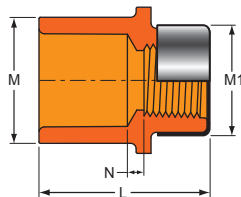
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
R4235-101	3/4x1/2	2-1/32	1-7/16	1-3/16	15/32	.15

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

**FEMALE SPRINKLER HEAD ADAPTER**

**Special Reinforced Plastic Thread  
 Style with Positioning Ring**

Socket x SR Fipt



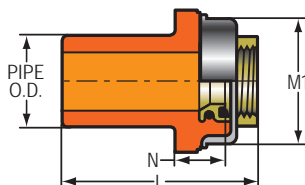
Part Number	Size	L	M	M1	N	Approx. Wt. (Lbs.)
R4235-101SR	3/4x1/2	1-15/16	1-7/16	1-7/32	7/32	.09

**TorqueSafe™ FEMALE SPIGOT SPRINKLER HEAD ADAPTER**

**Gasket Sealed Brass Thread Insert Style**

Spigot x Gasket Fipt

With Elastomer Seal - Use NO Thread Sealant



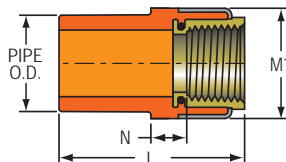
Part Number	Size	L	M	N	Approx. Wt. (Lbs.)
4238-101 G	3/4x1/2	1-15/16	1-3/8	17/32	.14
4238-130 G	1x1/2	2-1/16	1-3/8	19/32	.15

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

**SPIGOT FEMALE SPRINKLER HEAD ADAPTER**

**Brass Thread Insert Style**

Spigot x Fipt



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4238-101	3/4x1/2	2-5/32	1-7/32	19/32	.12
4238-130	1x1/2	2-1/4	1-3/16	11/32	.19

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

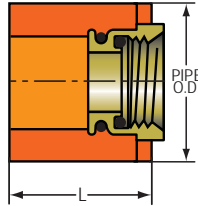


## TorqueSafe™ BUSHING - GASKET SEALED

### Brass Thread Insert Style

Spigot x Gasket Fipt

With Elastomer Seal - Use NO Thread Sealant

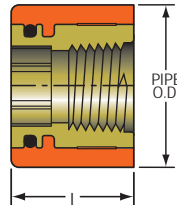


Part Number	Size	L	Approx. Wt. (Lbs.)
4238-130BR G	1x1/2	1-5/32	.10

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

## BUSHING with BRASS THREAD INSERT

Spigot x Fipt



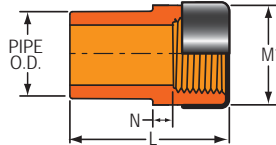
Part Number	Size	L	Approx. Wt. (Lbs.)
4238-130BR	1x1/2	1	.13

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

## SPIGOT FEMALE SPRINKLER HEAD ADAPTER

### Special Reinforced Plastic Thread Style

Spigot x SR Fipt

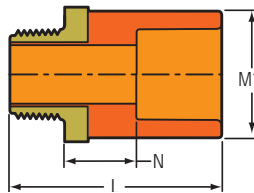


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4238-101SR	3/4x1/2	1-29/32	1-7/32	1/8	.07
4238-130SR	1x1/2	2-1/32	1-7/32	7/32	.09

## MALE ADAPTER

With CPVC Lined Thread Brass Insert

Mipt x Socket



Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4236-007	3/4	2-17/32	1-13/32	13/16	.26
4236-010	1	2-15/16	1-23/32	29/32	.43
4236-012	1-1/4	3-1/8	2-3/32	31/32	.66
4236-015	1-1/2	3-9/32	2-11/32	31/32	.80
4236-020	2	3-7/16	2-27/32	31/32	1.00





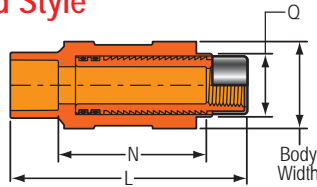
## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### ADJUSTABLE SPRINKLER HEAD ADAPTER

##### Special Reinforced Plastic Thread Style

Socket x SR Fipt

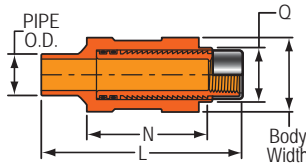


Part Number	Size	L		N		Q	Body Width	Approx. Wt. (Lbs.)
		Min	Max	Min	Max			
42001SR	3/4x1/2	6-5/8	8-11/32	4-7/8	6-19/32	1-1/4	2-3/16	.66
42011SR	1x1/2	6-23/32	8-7/16	4-27/32	6-9/16	1-1/4	2-3/16	.69

#### ADJUSTABLE SPRINKLER HEAD ADAPTER

##### Special Reinforced Plastic Thread Style

Spigot x SR Fipt

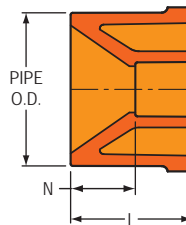


Part Number	Size	L		N		Q	Body Width	Approx. Wt. (Lbs.)
		Min	Max	Min	Max			
42004SR	3/4x1/2	6-23/32	8-11/32	4-29/32	6-17/32	1-1/4	2-3/16	.66
42014SR	1x1/2	6-3/4	8-13/32	4-29/32	6-9/16	1-1/4	2-3/16	.67

#### REDUCER BUSHING

##### Flush Style

Spigot x Socket



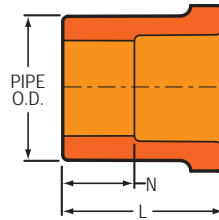
Part Number	Size	L	N	Approx. Wt. (Lbs.)
4237-131	1x3/4	1-1/4	1/4	.04
4237-167	1-1/4x3/4	1-7/16	7/16	.10
4237-168	1-1/4x1	1-13/32	9/32	.06
4237-210	1-1/2x3/4	1-5/8	5/8	.19
4237-211	1-1/2x1	1-17/32	13/32	.13
4237-212	1-1/2x1-1/4	1-9/16	5/16	.07
4237-248	2x3/4	1-29/32	29/32	.28
4237-249	2x1	1-23/32	9/16	.23
4237-250	2x1-1/4	1-11/16	7/16	.21
4237-251	2x1-1/2	1-11/16	5/16	.15
4237-290	2-1/2x1-1/4	2-5/32	7/8	.41
4237-291	2-1/2x1-1/2	2-5/32	3/4	.39
4237-292	2-1/2x2	2-9/32	3/4	.28
4237-338	3x2	2-7/32	11/16	.63
4237-339	3x2-1/2	2-5/16	1/4	.42

FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



**TRANSITION BUSHING**

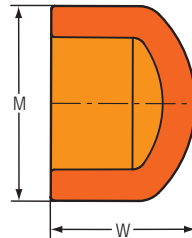
IPS Spigot x CTS Socket



Part Number	Size	L	N	Approx. Wt. (Lbs.)
4240-101	3/4x1/2	1-1/8	5/8	.03
4240-130	1x1/2	1-1/4	23/32	.05

**CAP**

Socket

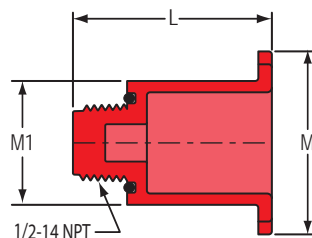


Part Number	Size	M	W	Approx. Wt. (Lbs.)
4247-007	3/4	1-3/8	1-13/32	.05
4247-010	1	1-5/8	1-9/16	.06
4247-012	1-1/4	2-3/32	1-27/32	.13
4247-015	1-1/2	2-11/32	2	.17
4247-020	2	2-27/32	2-9/32	.39
4247-025	2-1/2	3-17/32	2-5/8	.50
4247-030	3	4-3/8	3	.92

**TEST PLUG - O-Ring Sealed**

Mipt - For Pressure Testing Only.

Not For use with Z4235 Series Adapters



Part Number	Size	L	M	M1	Approx. Wt. (Lbs.)
FTP-005	1/2	1-27/32	1-15/16	1-7/32	.03

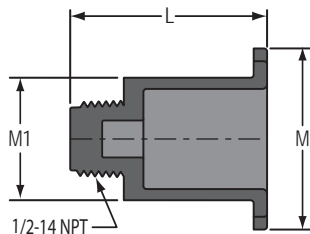




FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**

**TEST PLUG for TorqueSafe™**  
**Gasket Sealed Head Adapters**

Mipt - For Pressure Testing Only.  
 Use ONLY with Gasket Sealed Head Adapters

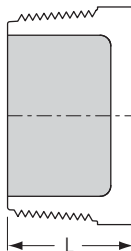


Part Number	Size	L	M	M1	Approx. Wt. (Lbs.)
FTP-005GS	1/2	1-25/32	2-1/32	1-1/4	.05

**TEST PLUG**

(PVC White) Not UL Listed

Mipt - For Pressure Testing Only.

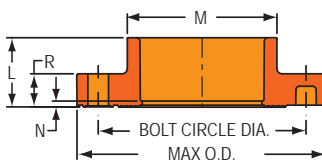


Part Number	Size	L	Approx. Wt. (Lbs.)
4250-005	1/2	27/32	.02

**FLANGE - ONE PIECE**

4 Bolt Holes, 175 psi

Socket



Part Number	Size	L	M	N	R	No. of Bolt Holes	Bolt Circle Dia.	Bolt Size	Min. Bolt Length	Max. O.D.	Approx. Wt. (Lbs.)
4251-007	3/4	1-5/32	1-1/2	1/8	17/32	4	2-3/4	1/2	2	3-29/32	.31
4251-010	1	1-5/16	1-13/16	1/8	11/16	4	3-1/8	1/2	2-1/4	4-9/32	.35
4251-012	1-1/4	1-13/32	2-7/32	5/32	11/16	4	3-1/2	1/2	2-1/4	4-5/8	.44
4251-015	1-1/2	1-19/32	2-1/2	3/16	23/32	4	3-27/32	1/2	2-1/2	5-1/16	.61
4251-020	2	1-27/32	3	5/16	27/32	4	4-3/4	5/8	3	5-31/32	.95
4251-025	2-1/2	2-7/32	3-1/2	7/16	1-1/32	4	5-1/2	5/8	3-1/4	7	1.50

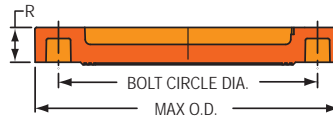


FlameGuard® CPVC Fire Sprinkler Products Technical Information  
**FlameGuard® Product Weights & Dimensions**



### BLIND FLANGE

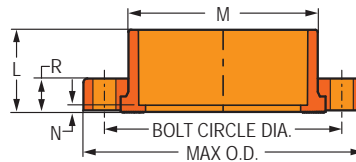
4 Bolt Holes, 175 psi



Part Number	Size	R	Bolt Circle Dia.	No. of Bolt Holes	Bolt Size	Min. Bolt Length	Max. O.D.	Approx. Wt. (Lbs.)
4253-007	3/4	17/32	2-3/4	4	1/2	2	3-27/32	.30
4253-010	1	23/32	3-1/8	4	1/2	2-1/4	4-1/4	.35
4253-012	1-1/4	21/32	3-1/2	4	1/2	2-1/4	4-5/8	.40
4253-015	1-1/2	23/32	3-27/32	4	1/2	2-1/2	5-1/16	.52
4253-020	2	27/32	4-3/4	4	5/8	3	5-31/32	.86
4253-025	2-1/2	1-1/32	5-1/2	4	5/8	3-1/4	6-15/16	1.70
4253-030	3	1-5/16	6	4	5/8	3-1/4	7-5/8	1.72

### FLANGE - TWO PIECE

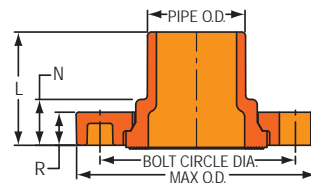
Van Stone Style, 4 Bolt Holes, 175 psi  
 Socket



Part Number	Size	L	M	N	R	Bolt Circle Dia.	No. of Bolt Holes	Bolt Size	Min. Bolt Length	Max. O.D.	Approx. Wt. (Lbs.)
4254-030	3	2-1/8	4-1/4	9/32	1-1/32	6	4	5/8	3-1/4	7-15/32	1.75

### FLANGE - TWO PIECE

Van Stone Style, 4 Bolt Holes, 175 psi  
 Spigot



Part Number	Size	L	N	R	Bolt Circle Dia.	No. of Bolt Holes	Bolt Size	Min. Bolt Length	Max. O.D.	Approx. Wt. (Lbs.)
4256-007	3/4	1-15/16	13/16	17/32	2-3/4	4	1/2	2	3-27/32	.30
4256-010	1	2-7/32	1-1/32	11/16	3-1/8	4	1/2	2-1/4	4-1/4	.41
4256-012	1-1/4	2-3/8	1	11/16	3-1/2	4	1/2	2-1/4	4-5/8	.50
4256-015	1-1/2	2-7/16	1-3/32	23/32	3-7/8	4	1/2	2-1/2	4-31/32	.65
4256-020	2	2-3/4	1-5/32	25/32	4-3/4	4	5/8	3	5-15/16	1.00
4256-025	2-1/2	3-1/16	1-9/32	1-1/32	5-1/2	4	5/8	3-1/4	6-15/16	1.62
4256-030	3	3-3/8	1-13/32	1-1/32	6	4	5/8	3-1/4	7-9/16	1.76



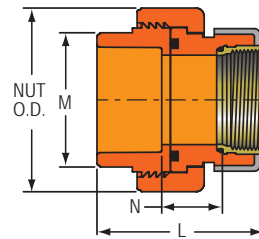


## FlameGuard® CPVC Fire Sprinkler Products Technical Information

### FlameGuard® Product Weights & Dimensions

#### TRANSITION UNION Brass Thread Insert Style

Socket x Fipt



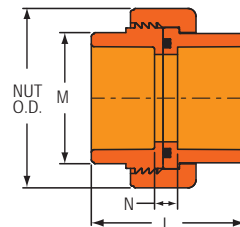
175 psi

Part Number	Size	L	M	N	Nut O.D.	Approx. Wt. (Lbs.)
4259-010BR	1	2-13/16	1-7/8	1-1/32	2-7/8	.52
4259-012BR	1-1/4	3	2-3/16	1-1/8	3-9/32	.98
4259-015BR	1-1/2	3-3/4	2-1/2	1-9/16	3-17/32	.93
4259-020BR	2	3-5/8	2-7/8	1-1/4	4-5/16	1.64

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

#### UNION

Socket x Socket



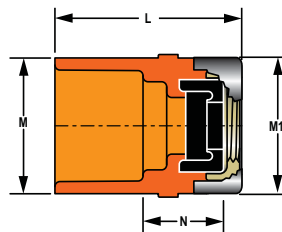
175 psi

Part Number	Size	L	M	N	Nut O.D.	Approx. Wt. (Lbs.)
4257-007	3/4	2-3/8	1-17/32	3/8	2-1/2	.38
4257-010	1	2-9/16	1-27/32	3/8	2-7/8	.41
4257-012	1-1/4	2-27/32	2-7/32	11/32	3-5/16	.52
4257-015	1-1/2	3-1/8	2-1/2	3/8	3-17/32	.63
4257-020	2	3-5/8	3-1/32	9/16	4-3/16	1.09

#### QuickTorque™ SR FEMALE SPRINKLER HEAD ADAPTER Gasket Sealed Special Reinforced Plastic Thread Style

Socket x SR Fipt

With Elastomer Seal - Use NO Thread Sealant



Part Number	Size	L	M	M1	N	Approx. Wt.
4235-130GMR	1x1/2	2-1/4	1-5/8	1-9/16	1	.13



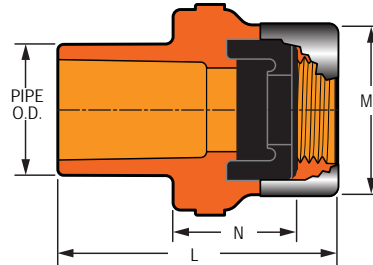


## SofTorque™ SR FEMALE SPIGOT SPRINKLER HEAD ADAPTER Gasket Sealed Special Reinforced Plastic Thread Style

Spigot x SR Fipt

With Elastomer Seal - Use NO Thread Sealant

175 psi

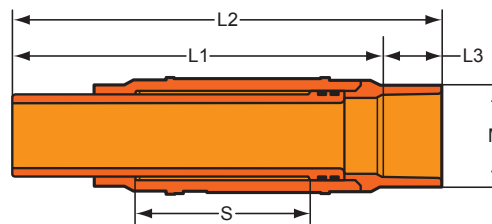


Part Number	Size	L	M1	N	Approx. Wt. (Lbs.)
4278-101GSR	3/4x1/2	2-1/4	1-3/8	1	.11

## SHORT REPAIR COUPLING

Spigot x Socket

175 psi

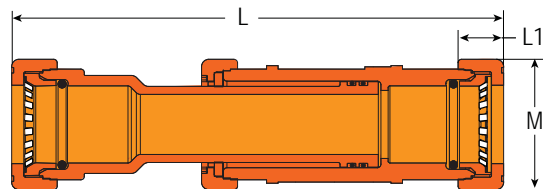


Part Number	Size	L1	L2	L3	M	S	Approx. Wt. (Lbs.)
SH118-07CO	3/4	4-13/16	5-17/32	3/4	1-3/4	2-3/16	.31
SH118-10CO	1	4-3/4	5-5/8	31/32	2-1/16	2-5/32	.40

## GripLoc™ REPAIR COUPLING – LEAD FREE

w/EPDM O-Ring Seals

175 psi



**WARNING: DO NOT INSERT FINGERS.**

Part Number	Size	L	L1	M	Approx. Wt. (Lbs.)
SG118-10CO	1	8-17/32	13/16	2-1/4	.74

