

CPVC FireLock® Piping Products

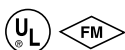
PRODUCT DESCRIPTION



Victaulic FireLock CPVC products are designed for use on residential fire sprinkler systems. Impact resistant Victaulic FireLock CPVC products range in size from $\frac{3}{4}$ " to 2", UL Listed and FM Approved for services up to 175 psi (1205 kPa) at 150°F (66°C). This complete system consists of straight and reducing fittings, couplings, pipes, and solvent cement. The CPVC FireLock One-Step Solvent Cement eliminates the need for primers which simplifies installations by reducing curing times and easing installation. CPVC FireLock pipe is SDR 13.5 as specified in ASTM-F442.

The Victaulic line of FireLock CPVC products meets NFPA 13, 13R and 13D standards for light hazard occupancies. They are also UL Listed for underground piping services as described in NFPA 24. Victaulic CPVC FireLock products are approved for NSF potable water services and comply with ANSI/NSF Standard 61 for health effects.

For complete fire protection application information, including listings and limitations, consult the Victaulic FireLock CPVC Fire Sprinkler System Design and Installation Manual (I-800).



See Victaulic publication 10.01 for details.

MATERIAL SPECIFICATIONS

Fittings: Conforming to ASTM F437, F438 and F439.

Pipe: Conforming to ASTM F442.

HANDLING AND STORAGE

CPVC Pipe and Fittings

Victaulic FireLock CPVC Sprinkler System Products resist attack from a group of chemicals that are corrosive to metallic piping. However, care must be taken to avoid contact with chemicals that are harmful to CPVC material. Specific chemicals or chemical vapors that contact CPVC can weaken or severely damage the material. DO NOT expose Victaulic FireLock CPVC Sprinkler System Products to edible oils, esters, or ketones. In addition, DO NOT expose CPVC products to petroleum-based substances, such as cutting oils, packing oils, traditional pipe thread paste or dopes, and certain lubricants. Contact Victaulic concerning chemical compatibility with FireLock CPVC Sprinkler System Products.

Victaulic FireLock CPVC Sprinkler System pipe and fittings should be stored at normal ambient temperatures, which must not exceed the maximum installation temperature of 150° F.

Victaulic recommends storing FireLock CPVC Sprinkler System Products indoors where the product will not be exposed to heat-producing sources or sunlight. For extended indoor storage, the area must be well ventilated so that the ambient temperature does not exceed 150° F.

When stored outdoors, Victaulic FireLock CPVC Sprinkler System Products must be covered with a non-transparent material to reduce the risk of extended exposure to sunlight and heat absorption, which could cause discoloration and weakening of CPVC material. Victaulic FireLock CPVC Sprinkler System Fittings must be stored in their original containers to prevent dirt accumulation and to help reduce the possibility of damage.

Excessive loading (i.e. stacking, point loading, etc.) or excessive strapping or banding must be avoided to prevent CPVC material from warping. DO NOT drop CPVC products or allow anything to drop on them.

Before installation, CPVC products must be inspected for any scratches, splits, gouges, or warping that may have occurred from improper handling or storage. Damaged sections of CPVC pipe must be cut out and discarded. Any damaged fittings must be discarded.

DIMENSIONS – PIPE AND ACCESSORIES

No. 805 Pipe*

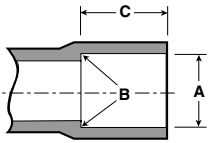
Pipe Size		Average O.D.	Average I.D.
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm		
$\frac{3}{4}$ 20	1.050 26,9	1.050 26,7	0.874 22,2
1 25	1.315 33,7	1.315 33,4	1.101 28,0
$1\frac{1}{4}$ 32	1.660 42,2	1.660 42,2	1.394 35,6
$1\frac{1}{2}$ 40	1.900 48,3	1.900 48,3	1.598 40,6
2 50	2.375 60,3	2.375 60,3	2.003 50,9

NOTE: FireLock CPVC pipe is produced in SDR 13.5 Dimensions in accordance with ASTM F442. Standard Dimension Ratio is the ratio of the outside pipe diameter to the wall thickness of the pipe.

*Pipe is available in 10" and 15" lengths. Contact Victaulic for pricing and delivery.

Socket

Sch. 40 – ASTM F438
Sch. 80 – ASTM F439



Pipe Size		Dimensions Inches/millimeters				
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	Socket Entrance A	Socket Bottom B	Tolerance	Schedule 40 Min. Socket Length C	Schedule 80 Min. Socket Length C
$\frac{3}{4}$ 20	1.050 26,9	1.058 26,87	1.046 26,57	±0.004 0,1	0.719 18,26	1.000 25,4
1 25	1.315 33,7	1.325 33,66	1.310 33,27	±0.005 0,13	0.875 22,23	1.125 28,58
$1\frac{1}{4}$ 32	1.660 42,2	1.670 42,42	1.655 42,04	±0.005 0,13	0.938 23,83	1.250 31,75
$1\frac{1}{2}$ 40	1.900 48,3	1.912 48,56	1.894 48,11	±0.006 0,15	1.094 27,79	1.375 34,93
2 50	2.375 60,3	2.387 60,63	2.369 60,17	±0.006 0,15	1.156 29,36	1.500 38,1

Victaulic CPVC FireLock One-Step Solvent Cement

One Solvent Cement is available to join the Victaulic CPVC FireLock Fire Sprinkler Products. This is Victaulic's Style #899 CPVC FireLock One-Step Solvent Cement. The One-Step Solvent cementing process eliminates the need for primers that are typical in two-step cementing processes. The One-Step joining method simplifies installations by reducing labor and offers faster curing times prior to pressure testing in most cases.

Victaulic FireLock CPVC fittings are approved for use with other brands of solvent cement. Please refer to the I-800 manual for a complete listing of approved solvent cements.

WARNING

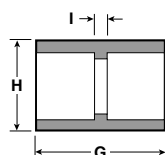
- Follow only the Victaulic CPVC FireLock® One-Step Cure times in the I-800 Victaulic CPVC Installation manual. Copies of this manual can be requested by contacting Victaulic.

For MSDS information request Publication 10.82.

DIMENSIONS – FITTINGS

No. 830 Coupling

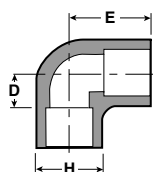
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Fitting Size		Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	I	G	
3/4 20	1.050 26,9	1.31 33,3	0.09 2,3	2.06 52,3	0.1 0,1
1 25	1.315 33,7	1.63 41,4	0.13 3,3	2.38 60,5	0.1 0,1
1 1/4 32	1.660 42,2	2.00 50,8	0.13 3,3	2.63 66,8	0.1 0,1
1 1/2 40	1.900 48,3	2.38 60,5	0.13 3,3	2.88 73,2	0.32 0,1
2 50	2.375 60,3	3.00 76,2	0.25 6,4	3.31 84,1	0.5 0,2

No. 810 90° Elbow

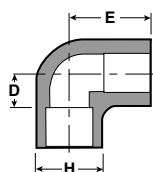
(Soc × Soc)



Fitting Size		Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	E	D	
3/4 20	1.050 26,9	1.31 33,3	1.56 39,6	0.56 14,2	0.1 0,1
1 25	1.315 33,7	1.69 42,9	1.63 41,4	0.72 18,3	0.2 0,1
1 1/4 32	1.660 42,2	2.00 50,8	2.06 52,3	0.81 20,6	0.2 0,1
1 1/2 40	1.900 48,3	2.19 55,6	2.28 57,9	0.97 24,6	0.3 0,1
2 50	2.375 60,3	2.88 73,2	2.75 69,9	1.25 31,8	0.6 0,3

No. 812 Reducing 90° Elbow

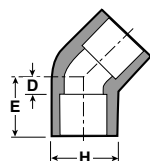
(Soc × Soc)



SIZE Nominal Inches mm	Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
	H	E	D	
1 × 3/4 25 × 20	1.69 42,9	1.81 46,0	1.06 26,9	0.2 0,1

No. 811 45° Elbow

(Soc × Soc)

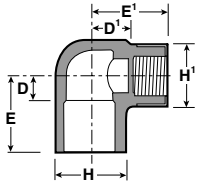


Fitting Size		Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	E	D	
3/4 20	1.050 26,9	1.38 35,1	1.31 33,3	0.31 7,9	0.1 0,1
1 25	1.315 33,7	1.63 41,4	1.47 37,3	0.34 8,6	0.1 0,1
1 1/4 32	1.660 42,2	2.06 52,3	2.03 51,6	0.31 7,9	0.2 0,1
1 1/2 40	1.900 48,3	2.38 60,5	1.91 48,5	0.50 12,7	0.5 0,2
2 50	2.375 60,3	2.88 73,2	2.19 55,6	0.66 16,8	0.5 0,2

DIMENSIONS – FITTINGS

No. 814 Sprinkler 90° Elbow with Stainless Steel Reinforced Plastic Thread Style

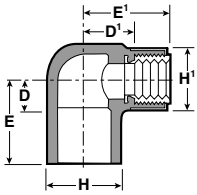
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SIZE Nominal Inches mm	Dimensions Inches/millimeters						Aprx. Weight Each Lbs./kg
	H	H'	E	E'	D	D'	
$\frac{3}{4}$ X $\frac{1}{2}$ 20 X 15	1.38 35,1	1.19 30,2	1.5 38,1	1.53 38,9	0.50 12,7	0.81 20,6	0.1 0,1
1 X $\frac{1}{2}$ 25 X 15	1.72 43,7	1.19 30,2	1.59 40,4	1.69 42,9	0.50 12,7	0.97 24,6	0.2 0,1
1 X $\frac{3}{4}$ 25 X 20	1.75 44,5	1.38 35,1	1.66 42,2	1.59 40,4	0.53 13,5	0.84 21,3	0.2 0,1
$1\frac{1}{4}$ X $\frac{1}{2}$ 32 X 15	2.06 52,3	1.19 30,2	1.69 42,9	1.78 45,2	0.44 11,2	1.06 26,9	0.2 0,1

No. 813 Sprinkler 90° Elbow Metallic Thread Insert Style

(Soc X Fipt Insert*)

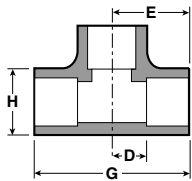


SIZE Nominal Inches mm	Dimensions Inches/millimeters						Aprx. Weight Each Lbs./kg
	H	H'	E	E'	D	D'	
$\frac{3}{4}$ X $\frac{1}{2}$ 20 X 15	1.38 35,1	1.19 30,2	1.50 38,1	1.50 38,1	0.50 12,7	1.00 25,4	0.2 0,1
1 X $\frac{1}{2}$ 25 X 15	1.69 42,9	1.19 30,2	1.59 40,4	1.66 42,2	0.50 12,7	1.06 26,9	0,2 0,1
1 X $\frac{3}{4}$ 25 X 20	1.69 42,9	1.38 35,1	1.66 42,2	1.81 46,0	0.56 14,2	1.16 29,5	0,3 0,1
$1\frac{1}{4}$ X $\frac{1}{2}$ 32 X 15	2.06 52,3	1.19 30,2	1.25 31,8	1.91 48,5	0.75 19,1	1.34 34,0	0,4 0,2

*Insert of brass or Type 416 Stainless Steel.

No. 820 Tee

(Soc X Soc X Soc)

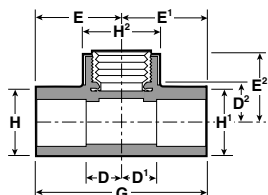


Fitting Size		Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	E	D	G	
$\frac{3}{4}$ 20	1.050 26,9	1.31 33,3	1.56 39,6	0.56 14,2	2.66 67,6	0.1 0,1
1 25	1.315 33,7	1.63 41,4	1.81 46,0	0.75 19,1	3.63 92,2	0.3 0,1
$1\frac{1}{4}$ 32	1.660 42,2	2.00 50,8	2.13 54,1	0.88 22,4	4.25 108	0.4 0,2
$1\frac{1}{2}$ 40	1.900 48,3	2.31 58,7	2.56 65,0	1.19 30,2	5.06 128,5	0.6 0,3
2 50	2.375 60,3	2.88 73,2	2.94 74,7	1.44 36,6	5.88 149,4	1.0 0,5

DIMENSIONS – FITTINGS

No. 821 Sprinkler Tee Metallic Thread Insert Style

(Soc X Soc X Fipt Insert*)

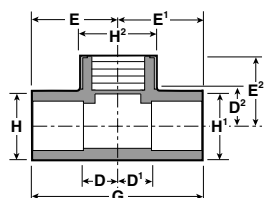


SIZE Nominal Inches/mm	Dimensions Inches/millimeters										Aprx. Weight Each Lbs./kg
	H	H¹	H²	E	E¹	E²	D	D¹	D²	G	
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$ 20 × 20 × 15	1.38 35,1	1.38 35,1	1.19 30,2	1.44 36,6	1.44 36,6	1.53 38,9	0.44 11,2	0.44 11,2	0.69 17,5	2.88 73,2	0.2 0,1
$1 \times \frac{3}{4} \times \frac{1}{2}$ 25 × 20 × 15	1.69 42,9	1.38 35,1	1.19 30,2	1.56 39,6	1.56 39,6	1.69 42,9	0.50 12,7	0.50 12,7	0.84 21,3	3.13 79,5	0.2 0,1
$1 \times 1 \times \frac{1}{2}$ 25 × 25 × 15	1.69 42,9	1.69 42,9	1.19 30,2	1.56 39,6	1.56 39,6	1.69 42,9	0.44 11,2	0.44 11,2	0.84 21,3	3.13 79,5	0.2 0,1
$1 \times 1 \times 1$ 25 × 25 × 25	1.69 42,9	1.69 42,9	1.69 42,9	1.81 46,0	1.81 46,0	1.94 49,3	0.69 17,5	0.69 17,5	0.84 21,3	3.63 92,2	0.4 0,2
$1\frac{1}{4} \times 1 \times \frac{1}{2}$ 32 × 25 × 15	2.06 52,3	1.69 42,9	1.19 30,2	1.69 42,9	1.69 42,9	1.94 49,3	0.50 12,7	0.50 12,7	1.03 26,2	3.38 85,9	0.3 0,1
$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{2}$ 32 × 32 × 15	2.06 52,3	2.06 52,3	1.19 30,2	1.69 42,9	1.69 42,9	1.94 49,3	0.44 11,2	0.44 11,2	1.03 26,2	3.38 85,9	0.3 0,1
$1\frac{1}{2} \times 1\frac{1}{4} \times \frac{1}{2}$ 40 × 32 × 15	2.31 58,7	2.06 52,3	1.19 30,2	1.88 47,8	1.81 46,0	0.69 17,5	0.53 13,5	0.53 13,5	1.16 29,5	3.69 93,7	0.4 0,2
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ 40 × 40 × 15	2.31 58,7	2.31 58,7	1.19 30,2	1.88 47,8	1.88 47,8	1.94 49,3	0.50 12,7	0.50 12,7	1.16 29,5	3.75 95,3	0.4 0,2
$2 \times 1\frac{1}{2} \times \frac{1}{2}$ 50 × 40 × 15	2.81 71,4	2.31 58,7	1.19 30,2	2.00 50,8	1.94 49,3	1.94 49,3	0.50 12,7	0.50 12,7	1.41 35,8	3.94 100,1	0.5 0,2
$2 \times 2 \times \frac{1}{2}$ 50 × 50 × 15	2.81 71,4	2.81 71,4	1.19 30,2	2.00 50,8	2.00 50,8	1.94 49,3	0.50 12,7	0.50 12,7	1.41 35,8	4.00 101,6	0.5 0,2

*Insert of brass or Type 416 Stainless Steel.

No. 823 Sprinkler Tee with Stainless Steel Reinforced Plastic Thread Style

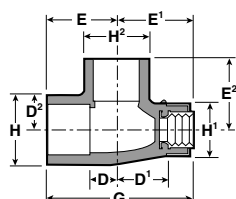
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SIZE Nominal Inches/mm	Dimensions Inches/millimeters										Aprx. Weight Each Lbs./kg
	H	H¹	H²	E	E¹	E²	D	D¹	D²	G	
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{2}$ 20 × 20 × 15	1.38 35,1	1.38 35,1	1.19 30,2	1.94 49,3	1.94 49,3	1.63 41,4	0.63 16	0.63 16	0.69 17,5	3.22 81,8	0.2 0,1
$1 \times \frac{3}{4} \times \frac{1}{2}$ 25 × 20 × 15	1.75 44,5	1.38 35,1	1.19 30,2	1.56 39,6	1.56 39,6	1.63 41,4	0.44 11,2	0.56 14,2	0.91 23,1	3.13 79,5	0.2 0,1
$1 \times 1 \times \frac{1}{2}$ 25 × 25 × 15	1.72 43,7	1.72 43,7	1.19 30,2	1.56 39,6	1.56 39,6	1.63 41,4	0.44 11,2	0.44 11,2	0.91 23,1	3.13 79,5	0.2 0,1
$1 \times 1 \times 1$ 25 × 25 × 25	1.72 43,7	1.72 43,7	1.69 42,9	1.81 46,0	1.81 46,0	1.93 49,0	0.66 16,8	0.66 16,8	0.97 24,6	3.63 92,2	0.3 0,1
$1\frac{1}{4} \times 1 \times \frac{1}{2}$ 32 × 25 × 15	2.06 52,3	1.75 44,5	1.19 30,2	1.69 42,9	1.69 42,9	1.88 47,8	0.44 11,2	0.56 14,2	1.13 28,7	3.38 85,9	0.3 0,1
$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{2}$ 32 × 32 × 15	2.06 52,3	2.06 52,3	1.22 31,0	1.69 42,9	1.69 42,9	1.88 47,8	0.44 11,2	0.44 11,2	1.13 28,7	3.38 85,9	0.3 0,1
$1\frac{1}{2} \times 1\frac{1}{4} \times \frac{1}{2}$ 40 × 32 × 15	2.06 52,3	2.38 60,5	1.19 30,2	1.81 46,0	1.88 47,8	1.97 50,0	0.56 14,2	0.50 12,7	1.25 31,8	3.69 93,7	0.3 0,1
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ 40 × 40 × 15	2.34 59,4	2.34 59,4	1.19 30,2	1.88 47,8	1.88 47,8	2.00 50,8	0.50 12,7	0.50 12,7	1.25 31,8	3.75 95,3	0.4 0,2
$2 \times 1\frac{1}{2} \times \frac{1}{2}$ 50 × 40 × 15	2.88 73,2	2.38 60,5	1.19 30,2	2.00 50,8	1.94 49,3	2.25 57,2	0.50 12,7	0.50 12,7	1.56 39,6	3.94 100,1	0.4 0,2
$2 \times 2 \times \frac{1}{2}$ 50 × 50 × 15	2.88 73,2	2.88 73,2	1.22 31,0	2.00 50,8	2.00 50,8	2.28 57,9	0.50 12,7	0.50 12,7	1.53 38,9	4.00 101,6	0.4 0,2

No. 822 Sprinkler Tee Metallic Thread Insert Style

(Soc X Fipt Insert* X Soc)



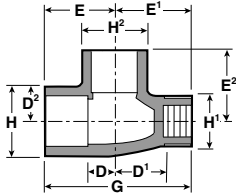
SIZE Nominal Inches/mm	Dimensions Inches/millimeters										Aprx. Weight Each Lbs./kg
	H	H¹	H²	E	E¹	E²	D	D¹	D²	G	
$1 \times \frac{1}{2} \times 1$ 25 × 15 × 25	1.69 42,9	1.19 30,2	1.69 42,9	1.56 39,6	1.81 46,0	1.56 39,6	0.69 17,5	1.13 28,7	0.84 21,3	3.38 85,9	0.2 0,1

*Insert of brass or Type 416 Stainless Steel.

DIMENSIONS – FITTINGS

No. 824 Sprinkler Tee with Stainless Steel Reinforced Plastic Thread Style

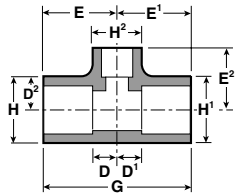
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SIZE Nominal Inches/mm	Dimensions Inches/millimeters										Aprx. Weight Each Lbs./kg
	H	H¹	H²	E	E¹	E²	D	D¹	D²	G	
1 × 1/2 × 1 25 × 15 × 25	1.69 42,9	1.19 30,2	1.69 42,9	1.56 39,6	1.82 46,0	1.56 39,6	0.69 17,5	1.13 28,7	0.69 17,5	3.38 85,9	0.2 0,1

No. 825 Reducing Tee

(Soc × Soc × Soc)

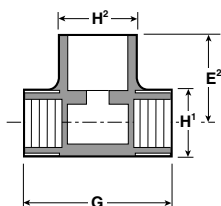


SIZE Nominal Inches/mm	Dimensions Inches/millimeters										Aprx. Weight Each Lbs./kg
	H	H¹	H²	E	E¹	E²	D	D¹	D²	G	
3/4 × 3/4 × 1 20 × 20 × 25	1.38 35,1	1.38 35,1	1.69 42,9	1.81 46,0	1.81 46,0	1.81 46,0	0.84 21,3	0.84 21,3	0.69 17,5	3.63 92,2	0.2 0,1
1 × 3/4 × 3/4 25 × 20 × 20	1.63 41,4	1.31 33,3	1.31 33,3	1.75 44,5	1.69 42,9	1.81 46,0	0.63 16	0.69 17,5	0.81 20,6	3.44 87,4	0.2 0,1
1 × 3/4 × 1 25 × 20 × 25	1.69 42,9	1.38 35,1	1.69 42,9	1.97 50,0	1.84 46,7	1.88 47,8	0.81 20,6	0.84 21,3	0.84 21,3	3.81 96,8	0.3 0,1
1 × 1 × 3/4 25 × 25 × 20	1.63 41,4	1.63 41,4	1.19 30,2	1.75 44,5	1.75 44,5	1.81 46,0	0.38 9,7	0.69 17,5	0.63 16,0	3.50 89,0	0.2 0,1
1 1/4 × 1 × 3/4 32 × 25 × 20	2.06 52,3	1.69 42,9	1.38 35,1	1.94 49,3	1.81 46,0	2.06 52,3	0.69 17,5	0.63 16,0	1.03 26,2	3.75 95,3	0.3 0,1
1 1/4 × 1 × 1 32 × 25 × 25	2.00 50,8	1.63 41,4	1.63 41,4	2.06 52,3	1.94 49,3	2.09 53,1	0.81 20,6	0.81 20,6	1.00 25,4	4.00 101,6	0.3 0,1
1 1/4 × 1 × 1 1/4 32 × 25 × 32	2.06 52,3	1.72 43,7	2.06 52,3	2.22 56,4	2.06 43,7	2.22 56,4	0.94 23,9	0.94 23,9	0.97 24,6	4.31 104,5	0.4 0,2
1 1/4 × 1 1/4 × 3/4 32 × 32 × 20	2.00 50,8	2.00 50,8	1.31 33,3	1.91 48,5	1.91 48,5	1.97 50,0	0.66 16,8	0.66 16,8	1.00 25,4	3.81 96,8	0.2 0,1
1 1/4 × 1 1/4 × 1 32 × 32 × 25	2.06 52,3	2.06 52,3	1.69 42,9	2.09 53,1	2.09 53,1	2.22 56,4	0.59 15,0	0.59 15,0	1.03 26,2	4.19 106,4	0.4 0,2
1 1/4 × 1 1/4 × 1 1/2 32 × 32 × 40	2.06 52,3	2.06 52,3	2.38 60,5	2.38 60,5	2.38 60,5	2.38 60,5	1.13 28,7	1.13 28,7	1.03 26,2	4.75 120,7	0.5 0,2
1 1/2 × 1 1/4 × 3/4 40 × 32 × 20	2.50 63,5	2.06 52,3	1.81 46,0	2.31 58,7	2.31 58,7	1.94 49,3	0.91 23,1	1.03 26,2	1.25 31,8	4.63 117,6	0.6 0,3
1 1/2 × 1 1/4 × 1 40 × 32 × 25	2.31 58,7	2.06 52,3	1.69 42,9	2.22 56,4	2.22 56,4	2.16 54,9	0.97 24,6	0.88 22,4	1.16 29,5	4.44 112,8	0.4 0,2
1 1/2 × 1 1/2 × 3/4 40 × 40 × 20	2.31 58,7	2.31 58,7	1.38 35,1	2.06 52,3	2.06 52,3	2.03 51,6	0.69 17,5	0.69 17,5	1.16 29,5	4.13 105,0	0.4 0,2
1 1/2 × 1 1/2 × 1 40 × 40 × 25	2.19 55,6	2.19 55,6	1.63 41,4	2.16 54,8	2.16 54,8	2.16 54,8	0.88 22,4	0.88 22,4	1.09 27,7	4.38 111,3	0.3 0,1
1 1/2 × 1 1/2 × 1 1/4 40 × 40 × 32	2.38 60,5	2.38 60,5	2.06 52,3	2.56 65,0	2.56 65,0	2.31 58,7	1.19 30,2	1.19 30,2	1.19 30,2	5.13 130,3	0.6 0,3
1 1/2 × 1 1/2 × 2 40 × 40 × 50	2.38 60,5	2.38 60,5	2.88 73,2	2.69 68,3	2.69 68,3	1.69 42,9	1.31 33,3	1.31 33,3	1.19 30,2	5.38 136,7	0.7 0,3
2 × 2 × 3/4 50 × 50 × 20	3.00 76,2	3.00 76,2	1.50 38,1	2.25 57,2	2.25 57,2	2.31 58,7	0.75 19,1	0.75 19,1	1.50 38,1	4.50 114,3	0.7 0,3
2 × 2 × 1 50 × 50 × 25	2.88 73,2	2.88 73,2	1.75 44,5	2.38 60,5	2.38 60,5	2.56 65,0	0.88 22,4	0.88 22,4	1.44 36,6	4.75 120,7	0.6 0,3
2 × 2 × 1 1/2 50 × 50 × 40	2.88 73,2	2.88 73,2	2.38 60,5	2.66 67,6	2.66 67,6	2.78 70,6	1.16 29,5	1.16 29,5	1.44 36,6	5.31 134,9	0.9 0,4

DIMENSIONS – FITTINGS

No. 826 Bullhead Tee with Stainless Steel Reinforced Plastic Thread Style

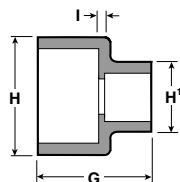
(SR Fipt × SR Fipt × Soc)



SIZE Nominal Inches/mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	G	H¹	H²	E²	
1/2 × 1/2 × 1 15 × 15 × 25	3.63 92,2	1.22 31,0	1.63 41,4	1.82 46,2	0.2 0,1

No. 831 Reducer Coupling

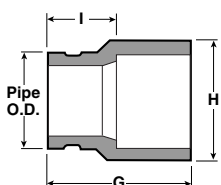
(Soc × Soc)



SIZE Nominal Inches mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	H	H¹	I	G	
1 × 3/4 25 × 20	1.69 42,9	1.38 35,1	0.22 5,6	2.38 60,5	0.1 0,1
1 1/4 × 3/4 32 × 20	2.06 52,3	1.38 35,1	0.34 8,6	2.63 66,8	0.2 0,1
1 1/4 × 1 32 × 25	2.13 54,1	1.75 44,5	0.31 7,9	2.69 68,3	0.2 0,1
1 1/2 × 3/4 40 × 20	2.38 60,5	1.38 35,1	0.09 2,3	2.50 63,5	0.2 0,1
1 1/2 × 1 40 × 25	2.38 60,5	1.69 42,9	0.09 2,3	2.63 66,8	0.2 0,1
1 1/2 × 1 1/4 40 × 32	2.38 60,5	2.13 54,1	0.16 4,1	2.81 71,4	0.2 0,1
2 × 3/4 50 × 20	2.88 73,2	1.38 35,1	0.81 20,6	3.25 82,6	0.3 0,1
2 × 1 50 × 25	2.88 73,2	1.69 42,9	0.19 4,8	2.81 71,4	0.3 0,1
2 × 1 1/4 50 × 32	2.88 73,2	2.06 52,3	0.56 14,2	3.25 82,6	0.3 0,1
2 × 1 1/2 50 × 40	2.88 73,2	2.38 60,5	0.25 6,4	3.25 82,6	0.3 0,1

No. 832 Grooved Coupling Adapter

(Groove × Soc)



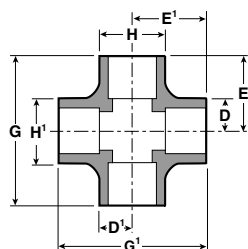
Pipe Size		Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	I	G	
1 1/4 32	1.660 42,2	2.06 52,3	1.56 39,6	2.81 71,4	0.2 0,1
1 1/2 40	1.900 48,3	2.38 60,5	1.50 38,1	2.88 73,2	0.2 0,1
2 50	2.375 60,3	2.88 73,2	1.56 39,6	3.06 77,7	0.3 0,1

DIMENSIONS – FITTINGS

No. 835

Cross

(Soc × Soc × Soc × Soc)



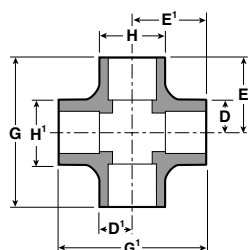
Fitting Size		Dimensions Inches/millimeters								Aprx. Weight Each Lbs./kg
Nominal Diameter In./mm	Actual Outside Dia. In./mm	H	H'	E	E'	D	D'	G	G'	
³ / ₄ 20	1.050 26,9	1.38 35,1	1.38 35,1	1.63 41,4	1.63 41,4	0.63 16,0	0.63 16,3	3.25 82,6	3.25 82,6	0.2 0,1
1 25	1.315 33,7	1.69 42,9	1.69 42,9	2.09 53,1	2.09 53,1	0.97 24,6	0.97 24,6	4.19 106,4	4.19 106,4	0.5 0,2
1 ¹ / ₄ 32	1.660 42,2	2.06 52,3	2.06 52,3	2.38 60,5	2.38 60,5	1.13 28,7	1.13 28,7	4.75 120,7	4.75 120,7	0.7 0,3
1 ¹ / ₂ 40	1.900 48,3	2.38 60,5	2.38 60,5	2.63 66,8	2.63 66,8	1.25 31,8	1.25 31,8	5.25 133,4	5.25 133,4	0.9 0,4
2 50	2.375 60,3	3.00 76,2	3.00 76,2	3.00 76,2	3.00 76,2	1.50 38,1	1.50 38,1	6.00 152,4	6.00 152,4	1.4 0,6

No. 836

Cross

with Reducing Ends

(Soc × Soc × Soc × Soc)

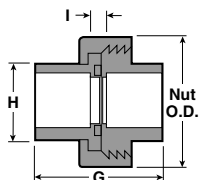


Nominal Size Inches/mm	Dimensions Inches/millimeters								Aprx. Weight Each Lbs./kg
	H	H'	E	E'	D	D'	G	G'	
1 × 1 × ³ / ₄ × ³ / ₄ 25 × 25 × 20 × 20	1.81 46,0	1.50 38,1	2.00 50,8	1.63 41,4	0.88 22,4	0.63 16,0	4.00 101,6	3.25 82,6	0.4 0,2

No. 850

Union

(Soc × Soc)

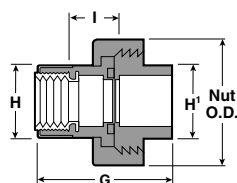


Pipe Size		Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	I	G	Nut O.D.	
³ / ₄ 20	1.050 26,9	1.56 39,6	0.34 8,6	2.38 50,5	2.50 63,5	0.3 0,1
1 25	1.315 33,7	1.81 46,0	0.31 7,9	2.56 65,0	2.88 73,2	0.4 0,2
1 ¹ / ₄ 32	1.660 42,2	2.25 57,2	0.34 8,6	2.88 73,2	3.31 84,1	0.5 0,2
1 ¹ / ₂ 40	1.900 48,3	2.56 65,0	0.34 8,6	3.13 79,5	3.56 90,4	0.6 0,3
2 50	2.375 60,3	3.06 77,7	0.56 14,2	3.63 92,2	4.06 103,1	1.1 0,5

DIMENSIONS – FITTINGS

No. 851 Transition Union with Metallic Thread Insert

(Soc X Fipt Insert*)

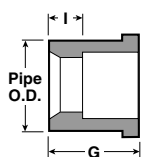


Pipe Size		Dimensions Inches/millimeters					Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	H'	I	G	Nut O.D.	
1 25	1.315 33,7	1.69 42,9	1.81 46,0	1.19 30,2	3.06 77,7	2.88 73,2	0.6 0,3
1 ¹ / ₄ 32	1.660 42,2	2.06 52,3	2.25 57,2	1.38 35,1	3.31 84,1	3.31 84,1	0.8 0,4
1 ¹ / ₂ 40	1.900 48,3	2.44 62,0	2.63 66,8	1.44 36,6	3.50 88,9	3.56 90,4	1.0 0,5
2 50	2.375 60,3	3.00 76,2	3.06 77,7	1.94 49,3	4.19 106,4	4.19 106,4	1.4 0,6

*Insert of brass or Type 416 Stainless Steel.

No. 852 Reducer Bushing Flush Style

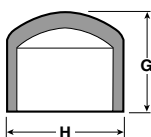
(Spig X Soc)



SIZE Nominal Inches mm	Dimensions Inches/millimeters		Aprx. Weight Each Lbs./kg
	I	G	
1 X ³ / ₄ 25 X 20	0.38 9,7	1.38 35,1	0.1 0,1
1 ¹ / ₄ X ³ / ₄ 32 X 20	0.34 8,6	1.56 39,6	0.1 0,1
1 ¹ / ₄ X 1 32 X 25	0.50 12,7	1.69 42,9	0.1 0,1
1 ¹ / ₂ X ³ / ₄ 40 X 20	0.72 18,3	1.75 44,5	0.2 0,1
1 ¹ / ₂ X 1 40 X 25	0.56 14,2	1.69 42,9	0.2 0,1
1 ¹ / ₂ X 1 ¹ / ₄ 40 X 32	0.47 11,9	1.69 42,9	0.1 0,1
2 X ³ / ₄ 50 X 20	0.91 23,1	1.88 47,8	0.3 0,1
2 X 1 50 X 25	0.78 19,8	1.88 47,8	0.3 0,1
2 X 1 ¹ / ₄ 50 X 32	0.50 12,7	1.75 44,5	0.2 0,1
2 X 1 ¹ / ₂ 50 X 40	0.50 12,7	1.88 47,8	0.2 0,1

No. 860 Cap

(Soc)

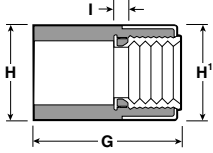


Fitting Size		Dimensions Inches/millimeters		Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	G	
³ / ₄ 20	1.050 26,9	1.38 35,1	1.38 35,1	0.1 0,1
1 25	1.315 33,7	1.63 41,4	1.56 39,6	0.1 0,1
1 ¹ / ₄ 32	1.660 42,2	2.19 55,6	1.88 47,8	0.2 0,1
1 ¹ / ₂ 40	1.900 48,3	2.31 58,7	2.00 50,8	0.2 0,1
2 50	2.375 60,3	3.03 77,0	2.38 60,5	0.4 0,2

DIMENSIONS – FITTINGS

No. 865 Female Adapter Metallic Thread Insert Style

(Soc X Fipt Insert*)

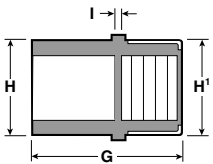


Fitting Size		Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	H'	I	G	
3/4 20	1.050 26,9	1.38 35,1	1.38 35,1	0.19 4,8	1.88 47,8	0.1 0,1
1 25	1.315 33,7	1.69 42,9	1.69 42,9	0.31 7,9	2.19 55,6	0.2 0,1
1 1/4 32	1.660 42,2	2.06 52,3	2.06 52,3	0.38 9,7	2.38 60,5	0.4 0,2
1 1/2 40	1.900 48,3	2.44 62,0	2.44 62,0	0.38 9,7	2.56 65,0	0.5 0,2
2 50	2.375 60,3	2.88 73,2	3.00 76,2	0.31 7,9	2.69 68,3	0.6 0,3

*Insert of brass or Type 416 Stainless Steel.

No. 866 Female Adapter with Stainless Steel Reinforced Plastic Thread Style

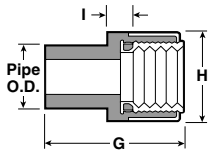
(Soc X SR Fipt)



Fitting Size		Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	H'	I	G	
3/4 20	1.050 26,9	1.38 35,1	1.38 35,1	0.13 3,3	1.88 47,8	0.1 0,1
1 25	1.315 33,7	1.69 42,9	1.69 42,9	0.13 3,3	2.13 54,1	0.1 0,1
1 1/4 32	1.660 42,2	2.06 52,3	2.13 54,1	0.22 5,6	2.31 58,7	0.2 0,1

No. 867 Spigot Female Adapter Metallic Thread Insert Style

(Spig X Fipt Insert*)



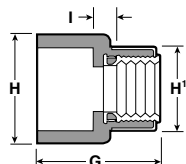
Fitting Size		Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
Nominal Diameter Inches/mm	Actual Outside Dia. Inches/mm	H	I	G	
3/4 20	1.050 26,9	1.38 35,1	0.13 3,3	2.00 50,8	0.3 0,1
1 25	1.315 33,7	1.69 42,9	0.44 11,2	2.31 58,7	0.2 0,1

*Insert of brass or Type 416 Stainless Steel.

DIMENSIONS – FITTINGS

No. 880 Female Sprinkler Adapter – Metallic Thread Insert Style

(Soc × Fipt Insert*)

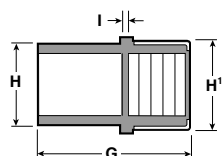


SIZE Nominal Inches mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	H	H'	I	G	
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.44 36,6	1.19 30,2	0.34 8,6	1.94 49,3	0.1 0,1
$1 \times \frac{1}{2}$ 25 × 15	1.69 42,9	1.19 30,2	0.56 14,2	2.25 57,2	0.2 0,1
$1 \times \frac{3}{4}$ 25 × 20	1.69 42,9	1.38 35,1	0.41 10,4	2.13 54,1	0.2 0,1

*Insert of brass or Type 416 Stainless Steel.

No. 881 Female Sprinkler Adapter with Stainless Steel Reinforced Plastic Thread Style

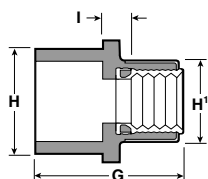
(Soc × SR Fipt)



SIZE Nominal Inches mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	H	H'	I	G	
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.41 35,8	1.22 31,0	0.09 2,3	1.84 46,7	0.1 0,1
$1 \times \frac{1}{2}$ 25 × 15	1.72 43,7	1.22 31,0	0.34 8,6	2.22 56,4	0.1 0,1
$1 \times \frac{3}{4}$ 25 × 20	1.69 42,9	1.38 35,1	0.13 3,3	2.00 50,8	0.1 0,1

No. 889 Female Sprinkler Adapter Metallic Thread Insert Style with Positioning Ring

(Soc × Fipt Insert*)

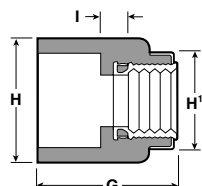


SIZE Nominal Inches mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	H	H'	I	G	
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.44 36,6	1.19 30,2	0.34 8,6	1.94 49,3	0.1 0,1

*Insert of brass or Type 416 Stainless Steel.

No. 888 Female Sprinkler Adapter Metallic Thread Insert Style (Long Body)

(Soc × Fipt Insert*)



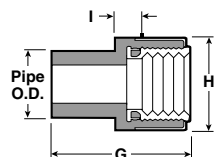
SIZE Nominal Inches mm	Dimensions Inches/millimeters				Aprx. Weight Each Lbs./kg
	H	H'	I	G	
$1 \times \frac{1}{2}$ 25 × 15	1.69 42,9	1.19 30,2	0.25 6,4	2.00 50,8	0.2 0,1

*Insert of brass or Type 416 Stainless Steel.

DIMENSIONS – FITTINGS

No. 882 Spigot Sprinkler Adapter Metallic Thread Insert Style

(Spig × Fipt Insert*)

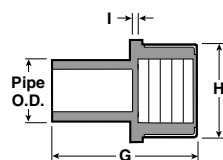


SIZE Nominal Inches mm	Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
	H	I	G	
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.19 30,2	0.50 12,7	2.06 52,3	0.1 0,1
$1 \times \frac{1}{2}$ 25 × 15	1.19 30,2	0.41 10,4	2.06 52,3	0.1 0,1

*Insert of brass or Type 416 Stainless Steel.

No. 883 Spigot Sprinkler Adapter with Stainless Steel Reinforced Plastic Thread Style

(Spig × SR Fipt)

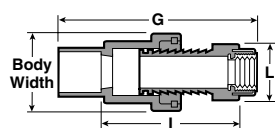


SIZE Nominal Inches mm	Dimensions Inches/millimeters			Aprx. Weight Each Lbs./kg
	H	I	G	
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.19 30,2	0.31 7,9	1.88 47,8	0.1 0,1
$1 \times \frac{1}{2}$ 25 × 15	1.22 31,0	0.25 6,4	2.00 50,8	0.1 0,1

*Insert of brass or Type 416 Stainless Steel.

No. 884 Adjustable Sprinkler Adapter Metallic Thread Insert Style

(Soc × Fipt Insert*)

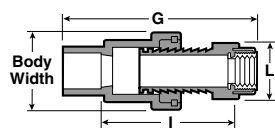


SIZE Nominal Inches mm	Dimensions Inches/millimeters						Aprx. Weight Each Lbs./kg
	L	I		G		Body Width	
		Min.	Max.	Min.	Max.		
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.31 33,3	3.13 74,5	4.63 117,6	4.94 125,5	6.19 157,2	2.13 54,1	0.4 0,2
$1 \times \frac{1}{2}$ 25 × 15	1.31 33,3	2.88 73,2	4.50 114,3	4.94 125,5	6.19 157,2	2.13 54,1	0.4 0,2

*Insert of brass or Type 416 Stainless Steel.

No. 885 Adjustable Sprinkler Adapter Metallic Thread Insert Style

(Spig × Fipt Insert*)



SIZE Nominal Inches mm	Dimensions Inches/millimeters						Aprx. Weight Each Lbs./kg
	L	I		G		Body Width	
		Min.	Max.	Min.	Max.		
$\frac{3}{4} \times \frac{1}{2}$ 20 × 15	1.31 33,3	4.38 111,3	5.63 143,0	4.94 125,5	6.19 157,2	2.13 54,1	0.4 0,2
$1 \times \frac{1}{2}$ 25 × 15	1.31 33,3	4.38 111,3	5.63 143,0	4.94 125,5	6.19 157,2	2.13 54,1	0.4 0,2

*Insert of brass or Type 416 Stainless Steel.

This product shall be manufactured by Victaulic Company. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.