

# Victaulic® FireLock™ IGS™ Installation-Ready™ Style V9 Sprinkler Coupling



Patented



## 1.0 PRODUCT DESCRIPTION

### Available Sizes

- Branch Line Connection: 1"/DN25
- Sprinkler Connections: 1"/DN25, ¾"/DN20, ½"/DN15

### Maximum Working Pressure

- Up to 250 psi/1725 kPa.

### Function

- Intended only for joining Victaulic IGS™ grooved sprinklers to IGS™ grooved sprinkler outlets. See the IGS roll groove specification, [publication 25.14](#) and the FireLock™ IGS™ System, [publication 10.54](#) for more information.
- Provides a rigid pipe to sprinkler connection.

## 2.0 CERTIFICATION/LISTINGS



## 3.0 SPECIFICATIONS – MATERIAL

**Housing:** Bronze according to the chemical requirements of UNS C87800 modified.

### Gasket<sup>1</sup>:

#### Victaulic Grade “E” EPDM (Type A)

Applicable for wet and dry (oil-free air) sprinkler services only. Listed/Approved for continuous use in wet and dry systems. Listed/Approved for dry systems at -40°F/-40°C and above. NOT COMPATIBLE FOR USE WITH HOT WATER SERVICES OR STEAM SERVICES.

<sup>1</sup> It should be noted that there are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Gasket Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

### Bolts/Nuts: (specify choice<sup>2</sup>)

Standard: Button head cap screws per ASTM F835, zinc plated. Nylon insert locknut, Grade 5, zinc plated.

Optional: Button head cap screws per ASTM F879, stainless steel. Nylon insert locknut, stainless steel.

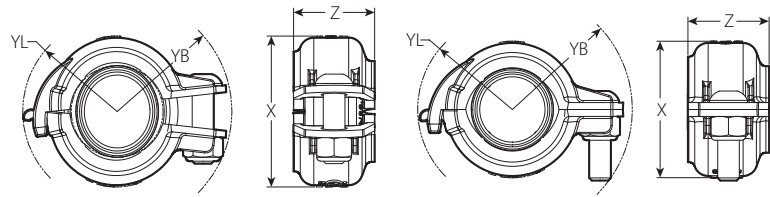
ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

## 4.0 DIMENSIONS

### Style V9 Sprinkler Coupling



Style V9 Pre-Assembled  
(Push On Condition)

Style V9 Joint Assembled

Size		Pipe End Separation Allowable <sup>2</sup>	Qty.	Bolt/Nut Size	Dimensions								Weight	
Nominal inches mm	Actual Outside Diameter inches mm				Preassembled				Assembled Joint					Approx. (Each) lb kg
					YL inches mm	YB inches mm	X inches mm	Z inches mm	YL inches mm	YB inches mm	X inches mm	Z inches mm		
1 DN25 x DN15	0.840 21.3	.13 3.3	1	5/16 x 1 1/8	1.36 34.6	1.66 42.1	2.18 55.3	1.17 29.7	1.37 34.7	1.73 44.0	1.97 50.0	1.17 29.7	.36 .16	
	1.050 26.9	.13 3.3	1	5/16 x 1 1/8	1.36 34.6	1.66 42.1	2.18 55.3	1.17 29.7	1.37 34.7	1.73 44.0	1.97 50.0	1.17 29.7	.36 .16	
	1.315 33.7	.13 3.3	1	5/16 x 1 1/8	1.36 34.6	1.66 42.1	2.18 55.3	1.17 29.7	1.37 34.7	1.73 44.0	1.97 50.0	1.17 29.7	.36 .16	

<sup>2</sup> The allowable pipe separation dimension shown is for system layout purposes only. FireLock™ sprinkler couplings are considered rigid connections and will not accommodate expansion or contraction of the piping system.

## 5.0 PERFORMANCE

### Listings/Approval

The information provided below is based on the latest listing and approval data at the time of publication. Listings/Approvals are subject to change and/or additions by the approvals agencies. Contact Victaulic for performance on other pipe and the latest listings and approvals.

Size	UL	FM
Nominal inches mm	psi kPa	psi kPa
1 DN25 x DN15	250 1725	175 1205
3/4 DN20	175 1205	175 1205
1 DN25	175 1205	175 1205

## 6.0 NOTIFICATIONS

### WARNING



- Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

## 7.0 REFERENCE MATERIALS

[05.01: Seal Selection Guide](#)

[10.54 FireLock™ Innovative Groove System](#)

[25.14: Victaulic FireLock™ IGS™ Groove Specifications](#)

[40.10: FireLock™ V27, K5.6 Models V2703, V2704, V2707, V2708](#)

[40.15: FireLock™ V34, K8.0 Models V3401, V3402, V3405, V3406](#)

[40.20: FireLock™ V34 K11.2 Models V3403, V3404, V3407, V3408](#)

[40.22: FireLock™ V27, K5.6 Models V2721, V2722, V2723, V2724](#)

[40.23: FireLock™ V34, K8.0 Models V3417, V3418, V3419, V3420](#)

[40.89: FireLock™ V47 K16.8 Model V4702 ESFR](#)

[40.91: FireLock™ V48, K25.2 Model V4802 Early Suppression Fast Response \(ESFR\)](#)

[40.95: FireLock™ V46 K25 V4601 CMSA Pendent](#)

[40.98: FireLock™ V46 K25 V4601 CMSA Upright](#)

[I-V9: Installation Instructions FireLock™ IGS Installation-Ready Style V9 Rigid Coupling](#)

[I-40: FireLock™ Automatic Sprinklers Installation Manual](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, and the applicable building codes and related regulations as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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### Note

This product shall be manufactured by Victaulic or to Victaulic specifications. 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.

### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](http://www.victaulic.com).

### Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

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