

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



Standard Version



Optional Version

Patented



1.0 PRODUCT DESCRIPTION

Available Sizes

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

Maximum Working Pressure

- Accommodates pressures ranging from full vacuum (29.9 in Hg/760 mm Hg) 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



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



3.0 SPECIFICATIONS – MATERIAL

☐ Standard Version

Housings: Dezincification-resistant (DZR) brass or steel according to GB/T 700 Grade Q195 with zinc plating per ASTM B633 Fe/Zn 5, Type II

Gasket¹: 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.

¹ There are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Seal Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

Bolt: Button head cap screw per ASTM F835 with zinc flake coating

Nut: Nylon insert locknut, Grade 5, zinc plated

☐ Optional Version (Provided for Sprinkler Frames with VC-250 Nickel-Based Coating)

Housings: Dezincification-resistant (DZR) brass with VC250 nickel-based coating

Gasket¹: 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.

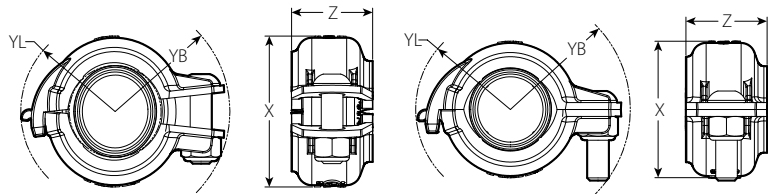
¹ There are services for which these gaskets are not compatible. Reference should always be made to the latest [Victaulic Seal Selection Guide](#) for specific gasket service guidelines and for a listing of services which are not compatible.

Bolt: Button head cap screw per ASTM F835 with black ceramic coating

Nut: Nylon insert locknut, stainless steel

4.0 DIMENSIONS

Style V9 Sprinkler Coupling



Size			Pipe End Separation Allowable ²	Bolt/Nut		Dimensions								Weight	
Nominal inches mm	Actual Outside Diameter inches mm	Qty.		Size inches mm	Preassembled				Assembled Joint				Approx. (Each) lb kg		
					YL	YB	X	Z	YL	YB	X	Z			
					inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	inches mm			
1 DN25	x ½ DN15	1.315 33.7	x 0.840 21.3	.13 3.3	1	⅝ × 1 ⅛	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
				.13 3.3	1	⅝ × 1 ⅛	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
				.13 3.3	1	⅝ × 1 ⅛	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

² 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/Approvals

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 ½ DN15		250 1725	175 1205
		175 1205	175 1205
		175 1205	175 1205
		175 1205	175 1205

6.0 NOTIFICATIONS

⚠ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, foot protection, and hearing 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](#)

[41.01 Victaulic® FireLock™ Series FL-QR](#)

[41.02 Victaulic® FireLock™ Series FL-QR/SW](#)

[41.51 Victaulic® FireLock™ Series FL-SR](#)

[41.52 Victaulic® FireLock™ Series FL-SR/SW](#)

[44.01 Victaulic® FireLock™ Series FL-QR/ST](#)

[44.11 Victaulic® FireLock™ Series FL-QR/ST/ESFR](#)

[44.12 Victaulic® FireLock™ Series FL-QR/ST/ESFR](#)

[44.13 Victaulic® FireLock™ Series FL-QR/ST/ESFR](#)

[44.21 Victaulic® FireLock™ Series FL-QR/ST/INT](#)

[44.51 Victaulic® FireLock™ Series FL-SR/ST](#)

[44.61 Victaulic® FireLock™ Series FL-SR/ST/CMSA](#)

[44.71 Victaulic® FireLock™ Series FL-SR/ST/INT](#)

[45.01 Victaulic® FireLock™ Model FL-QR/DRY](#)

[45.02 Victaulic® FireLock™ Model FL-QR/DRY/SW](#)

[45.03 Victaulic® FireLock™ Model FL-QR/DRY/C](#)

[45.04 Victaulic® FireLock™ Series FL-QR/DRY/ST](#)

[45.05 Victaulic® FireLock™ Series FL-QR/DRY/VSW](#)

[45.51 Victaulic® FireLock™ Model FL-SR/DRY](#)

[45.52 Victaulic® FireLock™ Model FL-SR/DRY/SW](#)

[45.53 Victaulic® FireLock™ Model FL-SR/DRY/C](#)

[45.54 Victaulic® FireLock™ Series FL-SR/DRY/ST](#)

[45.55 Victaulic® FireLock™ Series FL-SR/DRY/VSW](#)

[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 determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation 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, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the [Victaulic Installation Handbook](#) or installation instructions for 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 [victaulic.com](#).

Warranty

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

Intellectual Property Rights

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Note

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