

FireLock EZ[®] Rigid Coupling

Style 009N



PATENTED

Approvals/Listings:



[See Victaulic Publication 10.01 for more details.](#)

Product Description:

The FireLock EZ Style 009N coupling is a rigid, installation-ready coupling for fire protection pipe joining. The coupling's unique design eliminates loose parts, insures consistent installation and provides substantial gains in productivity.

IMPORTANT

FireLock EZ Style 009N couplings are recommended for use **ONLY** on fire protection systems.

Material Specifications:

Housing:

Ductile iron conforming to ASTM A-536, grade 65-45-12. Ductile iron conforming to ASTM A-395, grade 65-45-15, is available upon special request.

Housing Coating:

Orange enamel (North America, Asia Pacific)

Red enamel (Europe)

Optional: Hot dipped galvanized

Gasket:

Grade "E" EPDM (Type A)

FireLock EZ products have been Listed by Underwriters Laboratories Inc., Underwriters Laboratories of Canada Limited, and Approved by Factory Mutual Research for wet and dry (oil free air) sprinkler services within the rated working pressure.

Bolts/Nuts:

Heat-treated plated carbon steel, trackhead meeting the physical and chemical requirements of ASTM A-449 and physical requirements of ASTM A-183.

Job/Owner

System No.	
Location	

Contractor

Submitted By	
Date	

Engineer

Spec Section	
Paragraph	
Approved	
Date	

Listings/Approvals ¹

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.

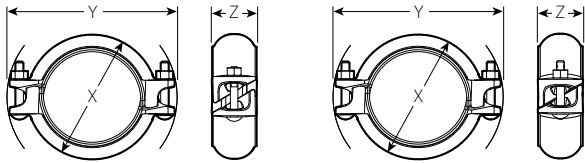
Nominal Size inches mm	cULus			FM			Vds	LPCB
	Sch. 5 psi kPa	Sch. 10 psi kPa	Sch. 40 psi kPa	Sch. 5 psi kPa	Sch. 10 psi kPa	Sch. 40 psi kPa	psi kPa	psi kPa
1 ¼ 32	363 2502	363 2502	363 2502	232 2000	365 2517	365 2517	365 2517	365 2517
1 ½ 40	363 2502	363 2502	363 2502	232 2000	365 2517	365 2517	365 2517	365 2517
2 50	363 2502	363 2502	363 2502	232 2000	365 2517	365 2517	365 2517	365 2517
2½ 65	363 2502	363 2502	363 2502	N/A	365 2517	365 2517	365 2517	365 2517
76.1 mm	N/A	N/A	N/A	N/A	N/A	N/A	365 2517	365 2517
3 80	363 2502	363 2502	363 2502	N/A	365 2517	365 2517	365 2517	365 2517
4 100	363 2502	363 2502	363 2502	N/A	365 2517	365 2517	365 2517	365 2517
133.0mm	Refer to Submittal 10.61							
139.7 mm	Refer to Submittal 10.61							
165.1 mm	Refer to Submittal 10.61							
6 150	Refer to Submittal 10.61							

¹ Listed/Approved for wet and dry pipe systems (> -40°F/-40°C) for continuous use in freezing conditions, use of silicone gaskets is recommended. Please refer to the Victaulic Installation Manual (I-009N/009H) for details concerning when supplemental lubrication is required.

Speciality Pipe

Pipe	Size	Pressure Rating		Pipe	Size	Pressure Rating		Pipe	Size	Pressure Rating	
		cULus psi kPa	FM psi kPa			cULus psi kPa	FM psi kPa			cULus psi kPa	FM psi kPa
BLT	1 ¼ – 2	300 2068	300 2068	EZT	1 ¼ – 2	300 2068	300 2068	MT	1 ¼ – 2	300 2068	300 2068
DF	1 ¼ – 4	300 2068	300 2068	FF	1 ¼ – 4	300 2068	300 2068	MLT	1 ¼ – 2	N/A	300 2068
DT	1 ¼ – 2	300 2068	300 2068	FLF	1 ¼ – 4	N/A	300 2068	ST	1 ¼ – 2	N/A	300 2068
EF	1 ¼ – 4	175 1206	175 1206	FLT	1 ¼ – 2	N/A	300 2068	STF	1 ¼ – 4	N/A	300 2068
EL	1 ¼ – 2	300 2068	300 2068	FLTL	1 ¼ – 2	N/A	300 2068	TF	2 ¼ – 4	N/A	300 2068
ET40	1 ¼ – 2	300 2068	300 2068	GL	1 ¼ – 2	300 2068	300 2068	WLS	1 ¼ – 2	300 2068	300 2068
EZF	3 – 4	300 2068	300 2068	MF	1 ¼ – 4	300 2068	300 2068	WST	1 ¼ – 2	N/A	300 2068
								XL	1 ¼ – 2	300 2068	300 2068

Style 009N Dimensions:



Style 009N Pre-Assembled
(Push On Condition)

Style 009N Joint Assembled

Nominal Size inches mm	Actual Outside Diameter inches mm	Maximum Working Pressure ¹ psi kPa	Maximum End Load ¹ lbs. N	Allow. Pipe End Separation ² inches mm	Bolt/Nut ³ (No.) size inches	Dimensions					Approx. Weight Each lbs. kg
						Pre-assembled (Stab in Condition)		Joint Assembled			
						X inches mm	Y inches mm	X inches mm	Y inches mm	Z inches mm	
1 ¼ 32	1.660 42.4	365 2517	790 3514	0.10 2.54	(2) ¾ × 2 (M)10 × 2	3.10 79	4.90 124	2.70 69	4.90 124	1.92 49	1.4 0.7
1 ½ 40	1.900 48.3	365 2517	1035 4604	0.10 2.54	(2) ¾ × 2 (M)10 × 2	3.30 84	5.10 129	3.00 76	5.10 129	1.92 49	1.5 0.7
2 50	2.375 60.3	365 2517	1616 7193	0.12 3.05	(2) ¾ × 2 (M)10 × 2	3.90 99	5.60 142	3.50 89	5.60 142	1.95 50	1.9 0.9
2 ½ 65	2.875 73.0	365 2517	2370 10542	0.12 3.05	(2) ¾ × 2 ½ (M)10 × 2 ½	4.50 114	6.10 155	4.00 102	6.10 155	1.95 50	2.1 1.0
76.1 mm	3.000 76.1	365 2517	2580 11476	0.12 3.05	(2) ¾ × 2 ½ (M)10 × 2 ½	4.56 115.7	6.00 152.5	4.05 102.8	6.06 153.9	1.94 49.2	2.1 1.0
3 80	3.500 88.9	365 2517	3512 15622	0.12 3.05	(2) ¾ × 2 ½ (M)10 × 2 ½	5.10 129	6.70 170	4.60 117	6.70 170	1.95 50	2.3 1.0
4 100	4.500 114.3	365 2517	5805 25822	0.17 4.32	(2) ¾ × 2 ½ (M)10 × 2 ½	5.95 151	7.80 199	5.54 141	7.47 190	2.14 55	2.9 1.3
108.0 mm	Refer to Submittal 10.61										
133.0 mm	Refer to Submittal 10.61										
139.7 mm	Refer to Submittal 10.61										
165.1 mm	Refer to Submittal 10.61										
6 150	Refer to Submittal 10.61										

- 1 Working Pressure and End Load are total, from all internal and external loads, based on standard weight (ANSI) steel pipe, standard roll or cut grooved in accordance with Victaulic specifications. See page 1 of this document for Listed/Approved ratings on other pipe. WARNING: FOR ONE TIME FIELD TEST ONLY, the Maximum Joint Working Pressure may be increased to 1 ½ times the figures shown in the chart on page 1, specific to pipe schedule and size.
- 2 The allowable pipe separation dimension shown is for system layout purposes only. FireLock EZ couplings are considered rigid connections and will not accommodate expansion or contraction of the piping system.
- 3 Number of bolts required equals number of housing segments.

General Notes:

NOTE: When assembling FireLock EZ couplings onto end caps, take additional care to make certain the end cap is fully seated against the gasket end stop. For FireLock EZ Style 009N couplings, use FireLock No. 006 end caps containing the “EZ” marking on the inside face or No. 60 end caps containing the “QV EZ” marking on the inside face. Non-Victaulic end cap products shall not be used with Style 009N couplings. IMPORTANT: Gaskets intended for the Style 009 or Style 009V couplings cannot be used with the Style 009N coupling. There is no interchanging of gaskets or housings between coupling styles.

Use Of Flushseal Gaskets For Dry Pipe Systems

NOTE: FireLock EZ couplings are supplied with FireLock EZ Grade “E” Type A gaskets. These gaskets include an integral pipe stop, that once installed provides the same benefits as a FlushSeal gasket for dry pipe systems. It should be noted that standard FlushSeal gaskets are not compatible and cannot be used with the FireLock EZ couplings.

Installation

Reference should always be made to the [I-100 Victaulic Field Installation Handbook](#) for the product you are installing. Handbooks are included with each shipment of Victaulic products for complete installation and assembly data, and are available in PDF format on our website at [www.victaulic.com](#).

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.

Warranty

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

Trademarks

Victaulic and FireLock EZ are registered trademarks of Victaulic Company.