

# FireLock EZ<sup>®</sup> Rigid Coupling

STYLE 009N



SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

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.



PATENTED

**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.

Standard Pipe

Size Nominal Size Inches/ mm	cULus/FM			LPCB psi/kPa
	Sch. 5 psi/kPa	Sch. 10 psi/kPa	Sch. 40 psi/kPa	
1¼ 32	175 1206	365 2517	365 2517	365 2517
1½ 40	175 1206	365 2517	365 2517	365 2517
2 50	175 1206	365 2517	365 2517	365 2517
2½ 65	N/A	365 2517	365 2517	365 2517
3 80	N/A	365 2517	365 2517	365 2517
4 100	N/A	365 2517	365 2517	365 2517

\* 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 Sch.	Size Inches	Pressure Rating – psi/kPa		Pipe Sch.	Size Inches	Pressure Rating – psi/kPa		Pipe Sch.	Size Inches	Pressure Rating – psi/kPa	
		cULus	FM			cULus	FM			cULus	FM
BLT	1¼ – 2	300 2068	300 2068	EZT	1¼ – 2	300 2068	300 2068	MT	1¼ – 2	300 2068	300 2068
DF	1¼ – 4	300 2068	300 2068	FF	1¼ – 4	300 2068	300 2068	MLT	1¼ – 2	N/A	300 2068
DT	1¼ – 2	300 2068	300 2068	FLF	1¼ – 4	N/A	300 2068	ST	1¼ – 2	N/A	300 2068
EF	1¼ – 4	175 1206	175 1206	FLT	1¼ – 2	N/A	300 2068	STF	1¼ – 4	N/A	300 2068
EL	1¼ – 2	300 2068	300 2068	FLTL	1¼ – 2	N/A	300 2068	TF	2¼ – 4	N/A	300 2068
ET40	1¼ – 2	300 2068	300 2068	GL	1¼ – 2	300 2068	300 2068	WLS	1¼ – 2	300 2068	300 2068
EZF	3 – 4	300 2068	300 2068	MF	1¼ – 4	300 2068	300 2068	WST	1¼ – 2	N/A	175 1206
								XL	1¼ – 2	300 2068	300 2068

**JOB/OWNER**

System No. \_\_\_\_\_  
Location \_\_\_\_\_

**CONTRACTOR**

Submitted By \_\_\_\_\_  
Date \_\_\_\_\_

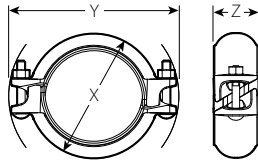
**ENGINEER**

Spec Sect \_\_\_\_\_ Para \_\_\_\_\_  
Approved \_\_\_\_\_  
Date \_\_\_\_\_

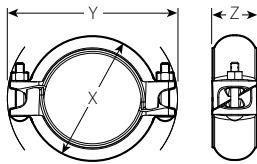
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## STYLE 009N

### STYLE 009N DIMENSIONS



STYLE 009N PRE-ASSEMBLED (PUSH ON CONDITION)



STYLE 009N JOINT ASSEMBLED

Size		Max. Work. Press. *	Max. End Load *	Allow. Pipe End Sep. †	@ Bolt/Nut No. – Size	Dimensions – Inches/mm					Aprx. Wgt. Ea.
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	Inches	Pre-assembled (Stab in condition)		Joint Assembled			Lbs. kg
						X	Y	X	Y	Z	
1 ¼ 32	1.660 42.4	365 2517	790 3514	0.10 2.54	2 - ¾ x 2 - M10 x 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 x 2 - M10 x 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 x 2 - M10 x 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 x 2 ½ - M10 x 2 ½	4.50 114	6.10 155	4.00 102	6.10 155	1.95 50	2.1 1.0
3 80	3.500 88.9	365 2517	3512 15622	0.12 3.05	2 - ¾ x 2 ½ - M10 x 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 x 2 ½ - M10 x 2 ½	6.20 157	7.80 198	5.60 142	7.80 198	2.14 55	2.9 1.3

\* 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.

† 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.

@ Number of bolts required equals number of housing segments.

### 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 Coatings:**

- 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.