

# FireLock EZ® Rigid Coupling

STYLE 009H



The FireLock EZ Style 009H 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 009H 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	cULus/FM			VdS	LPCB
	Nominal Size Inches/mm	Sch. 5 psi/KPa	Sch. 10 psi/kPa		
1¼	175	365	365	365	365
32	1206	2517	2517	2517	2517
1½	175	365	365	365	365
40	1206	2517	2517	2517	2517
2	175	365	365	365	365
50	1206	2517	2517	2517	2517
2½	N/A	365	365	365	365
65	N/A	2517	2517	2517	2517
76.1 mm	N/A	N/A	365** 2517**	365 2517	365 2517
3	N/A	365	365	365	365
80	N/A	2517	2517	2517	2517
108 mm	N/A	365*** 2517***	365*** 2517***	N/A	N/A
4	N/A	365	365	365	365
100	N/A	2517	2517	2517	2517
133 mm	N/A	290*** 1999***	365*** 2517***	N/A	N/A
139.7 mm	N/A	N/A	290** 1999**	232 1600	365 2517
165.1 mm	N/A	N/A	290** 1999**	232 1600	365 2517
6#	N/A	290	365	232	365
150#	N/A	1999	2517	1600	2517

\* Listed/Approved for wet and dry pipe systems (> -40°F/-40°C). Please refer to the Victaulic Installation Manual (I-009H\_009\_009V.pdf) for details concerning when supplemental lubrication is required.

\*\* EN-10219(L) for 76.1mm size; EN-10255(M)

# Regional availability only#

\*\*\* FM Approved only.

**JOB/OWNER**

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

**CONTRACTOR**

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

**ENGINEER**

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

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**LISTINGS/APPROVALS \***

Speciality Pipe

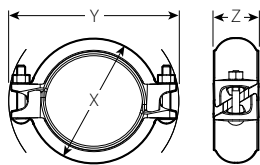
Pipe	Size	Pressure Rating – psi/kPa		Pipe	Size	Pressure Rating – psi/kPa		Pipe	Size	Pressure Rating – psi/kPa	
		cULus	FM			cULus	FM			cULus	FM
BLT	1 ¼ – 2	300 2068	300 2068	EZT	1 ¼ – 2	300 2068	300 2068	MT	1 ¼ – 2	300 2068	300 2068
DF	1 ¼ – 4	300 2068	300 2068	FF	1 ¼ – 4	300 2068	300 2068	MLT	1 ¼ – 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	175 1206
								XL	1 ¼ – 2	300 2068	300 2068

Note: The Specialty Pipe table only applies to imperial sizes, NOT to metric sizes.

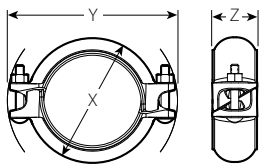
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### STYLE 009H DIMENSIONS



STYLE 009H PRE-ASSEMBLED (PUSH ON CONDITION)



STYLE 009H 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	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 - 3/8 x 2 - M10 x 2	2.95 75	4.77 121	2.70 69	4.63 118	1.93 49	1.4 0.7
1 ½ 40	1.900 48.3	365 2517	1035 4604	0.10 2.54	2 - 3/8 x 2 - M10 x 2	3.19 81	4.97 126	2.94 75	4.79 122	1.93 49	1.5 0.7
2 50	2.375 60.3	365 2517	1616 7193	0.12 3.05	2 - 3/8 x 2 - M10 x 2	3.79 96	5.53 140	3.45 88	5.42 138	1.93 49	1.9 0.9
2 ½ 65	2.875 73.0	365 2517	2370 10542	0.12 3.05	2 - 3/8 x 2 ½ - M10 x 2 ½	4.29 109	6.09 155	3.92 100	5.85 149	1.93 49	2.1 1.0
76.1 mm	3.000 76.1	365 2517	2580 11476	0.12 3.05	2 - 3/8 x 2 ½ - M10 x 2 ½	4.40 112	6.31 160	4.05 103	5.90 150	1.93 49	2.1 1.0
3 80	3.500 88.9	365 2517	3512 15622	0.12 3.05	2 - 3/8 x 2 ½ - M10 x 2 ½	4.91 125	6.70 170	4.55 116	6.46 164	1.93 49	2.3 1.0
108 mm	4.250 108.0	365 2517	5178 23030	0.17 4.32	2 - 3/8 x 2 ½ - M10 x 2 ½	5.56 141	7.61 193	5.27 134	7.51 191	2.14 54	2.8 1.2
4 100	4.500 114.3	365 2517	5805 25822	0.17 4.32	2 - 3/8 x 2 ½ - M10 x 2 ½	5.95 151	7.82 199	5.54 141	7.47 190	2.14 55	2.9 1.3
133 mm	5.250 133.0	365 2517	7900 35140	0.17 4.33	2 - 3/8 x 2 ½ - M10 x 2 ½	6.66 169	9.11 232	6.36 162	9.01 229	2.14 55	4.3 1.9
139.7 mm	5.500 139.7	365 2517	8620 38340	0.17 4.32	2 - 3/8 x 2 ½ - M10 x 2 ½	6.75 172	9.29 236	6.46 164	9.23 234	2.09 53	4.6 2.1
165.1 mm	6.500 165.1	290 1999	9623 42805	0.17 4.32	2 - 5/8 x 3 ¼ - M16 x 3 ¼	7.84 199	10.93 278	7.55 192	10.85 276	2.11 54	5.69 2.6
6 150	6.625 168.3	290 1999	9997 44469	0.17 4.32	2 - 5/8 x 3 ¼ - M16 x 3 ¼	7.96 202	11.08 281	7.67 195	11.99 305	2.11 54	5.92 2.69

\* 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.

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### 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 009H 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 009H couplings.

IMPORTANT: Gaskets intended for the Style 009 or Style 009V couplings cannot be used with the Style 009H coupling. There is no interchanging of gaskets or housings between coupling styles.

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### USE OF FLUSHSEAL GASKETS FOR DRY PIPE SYSTEMS

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.

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### 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](http://www.victaulic.com).

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### WARRANTY

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

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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.

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For complete contact information, visit [www.victaulic.com](http://www.victaulic.com)

10.61 5731 REV G UPDATED 09/2012

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