

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
76.1mm	N/A	N/A	365**	365	365
			2517**	2517	2517
3	N/A	365	365	365	365
80	N/A	2517	2517	2517	2517
4	N/A	365	365	365	365
100	N/A	2517	2517	2517	2517
165.1mm	N/A	N/A	290**	232	300
			1999**	1600	2068
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) for 165.1mm size

Regional availability only

Specialty 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	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 _____

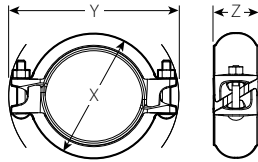
ENGINEER

Spec Sect _____ Para _____
Approved _____
Date _____

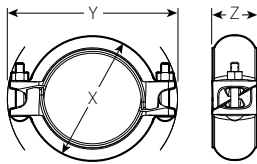
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STYLE 009H DIMENSIONS



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	1.660	365	790	0.10	2 - ¾ x 2	2.95	4.77	2.70	4.63	1.93	1.4
32	42.4	2517	3514	2.54	- M10 x 2	75	121	69	118	49	0.7
1 ½	1.900	365	1035	0.10	2 - ¾ x 2	3.19	4.97	2.94	4.79	1.93	1.5
40	48.3	2517	4604	2.54	- M10 x 2	81	126	75	122	49	0.7
2	2.375	365	1616	0.12	2 - ¾ x 2	3.79	5.53	3.45	5.42	1.93	1.9
50	60.3	2517	7193	3.05	- M10 x 2	96	140	88	138	49	0.9
2 ½	2.875	365	2370	0.12	2 - ¾ x 2 ½	4.29	6.09	3.92	5.85	1.93	2.1
65	73.0	2517	10542	3.05	- M10 x 2 ½	109	155	100	149	49	1.0
76.1 mm	3.000	365	2580	0.12	2 - ¾ x 2 ½	4.40	6.31	4.05	5.90	1.93	2.1
	76.1	2517	11476	3.05	- M10 x 2 ½	112	160	103	150	49	1.0
3	3.500	365	3512	0.12	2 - ¾ x 2 ½	4.91	6.70	4.55	6.46	1.93	2.3
80	88.9	2517	15622	3.05	- M10 x 2 ½	125	170	116	164	49	1.0
4	4.500	365	5805	0.17	2 - ¾ x 2 ½	5.95	7.82	5.54	7.47	2.14	2.9
100	114.3	2517	25822	4.32	- M10 x 2 ½	151	199	141	190	55	1.3
165.1 mm	6.500	290	9623	0.17	2 - ¾ x 3 ¼	7.84	10.93	7.55	10.85	2.11	5.69
	165.1	1999	42805	4.32	- M16 x 3 ¼	199	278	192	276	54	2.6
6	6.625	290	9997	0.17	2 - ¾ x 3 ¼	7.96	11.08	7.67	11.99	2.11	5.92
150	168.3	1999	44469	4.32	- M16 x 3 ¼	202	281	195	305	54	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.

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.

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.

WARRANTY

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

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.

For complete contact information, visit www.victaulic.com

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