FireLock EZ™ Rigid Coupling

SEE VICTAULIC PUBLICATION 10.01 FOR DETAILS

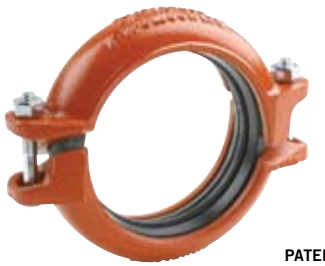
STYLE 009 (UL, FM)

STYLE 009V (UL, FM, VdS, LPCB)

The FireLock EZ Style 009 and Style 009V couplings are rigid, installation-ready couplings 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 009 and Style 009V couplings are recommended for use ONLY on fire protection systems.



PATENTED

STYLE 009 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.

Pipe	Size	Pressure Rating – psi			Pipe	Size	Pressure Rating – psi			Pipe	Size	Pressure Rating – psi		
Sch.	Inches	UL	ULC	FM	Sch.	Inches	UL	ULC	FM	Sch.	Inches	UL	ULC	FM
5	1 ¼ – 2	175	175	175	EZT	1 ¼ – 2	300	300	300	MT	1 ¼ – 2	300	300	300
10, 40	1 ¼ – 4	300	300	300	FF	1 ¼ – 4	300	300	300	MLT	1 ¼ – 2	300	300	300
BLT	1 ¼ – 2	300	300	300	FLF	1 ¼ – 4	N/A	N/A	300	ST	1 ¼ – 2	N/A	N/A	300
DF	1 ¼ – 4	300	300	300	FLT	1 ¼ – 2	N/A	N/A	300	STF	1 ¼ – 4	N/A	N/A	300
DT	1 ¼ – 2	300	300	300	FLTL	1 ¼ – 2	N/A	N/A	300	TF	2 ¼ – 4	N/A	N/A	300
EF	1 ¼ – 4	175	175	175	GL	1 ¼ – 2	300	300	300	WLS	1 ¼ – 2	300	300	300
EL	1 ¼ – 2	300	300	300	G5	1 ¼ – 2	175	175	175	WST	1 ¼ – 2	175	175	175
ET40	1 ¼ – 2	300	300	300	G7	1 ¼ – 2	300	300	300	XL	1 ¼ – 2	300	300	300
EZF	3 – 4	300	300	300	MF	1 ¼ – 4	300	300	300					

STYLE 009V LISTINGS/APPROVALS †‡§

Pipe Schedule	Size	Pressure Rating			
	Nominal Size Inches mm	VdS	LPC	UL	FM
§	76.1 mm	—	—	16 Bar 232 psi	16 Bar 232 psi
§	1 ¼ – 4, 76.1 mm 32 – 100	16 Bar 232 psi	16 Bar 232 psi	—	—
10, 40	1 ¼ 32	—	—	16 Bar 232 psi	20.7 Bar 300 psi
	1 ½ 40	—	—	16 Bar 232 psi	20.7 Bar 300 psi
	2 50	—	—	16 Bar 232 psi	20.7 Bar 300 psi
	3 80	—	—	16 Bar 232 psi	20.7 Bar 300 psi
	4 100	—	—	16 Bar 232 psi	20.7 Bar 300 psi

† Listed/Approved for wet and dry pipe systems (> –40°F/–40°C). For rigid pipe connections in systems operating below 0°F/–18°C Victaulic recommends Style 005 FireLock rigid couplings with Grade "L" silicone gaskets.

‡ Please refer to the Victaulic Field Installation Handbook (I-100) for details concerning when supplemental lubrication is required.

§ Style 009V couplings are VdS and LPC approved to 16 Bar/232 psi for wet and dry fire protection systems.

Discontinued Product

JOB/OWNER

System No. _____

Location _____

CONTRACTOR

Submitted By _____

Date _____

ENGINEER

Spec Sect _____ Para _____

Approved _____

Date _____

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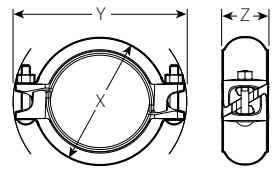
FireLock EZ™ Rigid Coupling

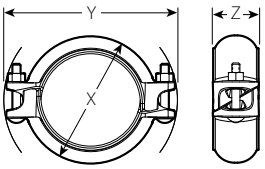
STYLE 009 (UL, FM)

STYLE 009V (UL, FM, VdS, LPCB)

STYLE 009 DIMENSIONS



STYLE 009 PRE-ASSEMBLED (STAB IN CONDITION)

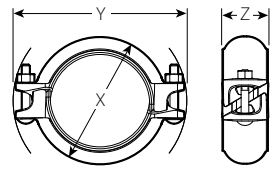


STYLE 009 JOINT ASSEMBLED

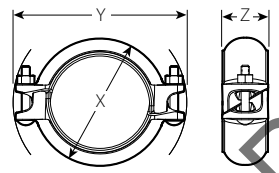
Size		Max. Work. Press. *	Max. End Load *	Allow. Pipe End Sep. †	@ Bolt/Nut No. – Size	Dimensions – Inches/mm					Aprx. Wgt. Ea.
Nominal Size Inches mm	Actual Outside Dia. Inches mm	psi kPa	Lbs. N	Inches mm	Inches	Pre-assembled (Stab in condition)		Joint Assembled			Lbs. kg
						X	Y	X	Y	Z	
1 ¼ 32	1.660 42.4	300 2068	649 2888	0.10 2.54	2 – ⅜ x 2	3.13 80	4.93 125	2.86 73	4.83 123	1.93 49	1.5 0.7
1 ½ 40	1.900 48.3	300 2068	851 3787	0.10 2.54	2 – ⅜ x 2	3.38 86	5.16 131	3.11 79	5.07 129	1.86 47	1.7 0.8
2 50	2.375 60.3	300 2068	1329 5914	0.12 3.05	2 – ⅜ x 2 ½	3.88 99	5.81 148	3.59 91	5.68 144	1.86 47	1.9 0.9
2 ½ 65	2.875 73.0	300 2068	1948 8668	0.12 3.05	2 – ⅜ x 2 ½	4.38 111	6.21 158	4.08 104	6.10 155	1.87 48	2.0 0.9
3 80	3.500 88.9	300 2068	2886 12842	0.12 3.05	2 – ⅜ x 2 ½	5.06 129	6.68 170	4.73 120	6.43 163	1.90 48	4.3 2.0
4 100	4.500 114.3	300 2068	4771 21230	0.17 4.32	2 – ⅜ x 2 ½	6.46 164	8.64 220	6.00 152	8.34 212	2.10 53	2.3 1.0

* @ † Refer to notes below.

STYLE 009V DIMENSIONS



STYLE 009 PRE-ASSEMBLED (STAB IN CONDITION)



STYLE 009 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	300 2068	649 2888	0.10 2.54	2 – M10 x 57	3.14 80	4.84 123	2.85 72	4.65 118	1.91 49	1.6 0.7
1 ½ 40	1.900 48.3	300 2068	851 3787	0.10 2.54	2 – M10 x 57	3.34 85	5.06 129	3.13 80	4.85 123	1.92 49	1.7 0.8
2 50	2.375 60.3	300 2068	1329 5914	0.12 3.05	2 – M10 x 64	3.91 99	5.66 144	3.61 92	5.47 139	1.94 49	2.1 0.9
76.1 mm	3.000 76.1	300 2068	1948 8668	0.12 3.05	2 – M10 x 64	4.57 116	6.46 164	4.17 106	6.18 157	1.96 50	2.3 1.1
3 80	3.500 88.9	300 2068	2886 12842	0.12 3.05	2 – M10 x 64	5.15 131	7.12 181	4.73 120	6.67 169	1.94 49	2.6 1.2
4 100	4.500 114.3	300 2068	4771 21230	0.17 4.32	2 –M10 x 64	6.39 162	8.74 222	6.05 154	8.46 215	2.11 54	4.6 2.1

* 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 pages 3 and 4 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.

† 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.

Discontinued Product

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STYLE 009 (UL, FM)

STYLE 009V (UL, FM, VdS, LPCB)

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)
- 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.

Discontinued Product

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STYLE 009 (UL, FM)

STYLE 009V (UL, FM, VdS, LPCB)

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 009 and Style 009V 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 009/009V 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.

Discontinued Product

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