

FireLock EZ[®] Rigid Coupling

Style 009N



PATENTED

Approvals/Listings:



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

Product Description:

The FireLock EZ Style 009N Installation-Ready™ Rigid Coupling is for use in the fire protection market. The coupling's unique design eliminates loose parts, promotes 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:

Zinc electroplated 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	232 1600	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
1 ½ 40	232 1600	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
2 50	363 2502	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
2 ½ 65	N/A	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
76.1 mm	N/A	365 ² 2517	N/A	N/A	363 ³ 2502	N/A	365 2517	365 2517
3 80	N/A	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
4 100	N/A	365 2517	365 2517	175 1205	363 2502	363 2502	365 2517	365 2517
108.0mm	N/A	N/A	N/A	N/A	363 2502	363 2502	N/A	N/A
5 125	N/A	290 2000	365 2517	N/A	363 2502	363 2502	N/A	N/A
133.0mm	Refer to Submittal 10.61							
139.7mm	Refer to Submittal 10.61							
165.1 mm	Refer to Submittal 10.61							
6 150	N/A	290 2000	365 2517	N/A	363 2502	363 2502	N/A	N/A
8 200	N/A	290 2000	365 2517	N/A	363 2502	363 2502	N/A	N/A

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.

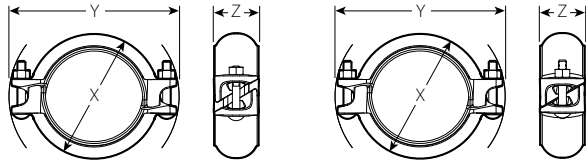
2 cULus listed for DIN 2458 2.6 mm pipe wall.

3 FM approved for BS 1387 Medium 3.6 mm pipe wall.

Speciality Pipe

Pipe Sch.	Size inches	Pressure Rating		Pipe Sch.	Size inches	Pressure Rating		Pipe Sch.	Size inches	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	365 2517	EZT	1 ¼ – 2	300 2068	365 2517	MT	1 ¼ – 2	300 2068	365 2517
DF	1 ¼ – 4	300 2068	365 2517	FF	1 ¼ – 4	300 2068	365 2517	MLT	1 ¼ – 2	N/A	365 2517
DT	1 ¼ – 2	300 2068	365 2517	FLF	1 ¼ – 4	N/A	365 2517	ST	1 ¼ – 2	N/A	365 2517
EF	1 ¼ – 4	175 1206	175 1206	FLT	1 ¼ – 2	N/A	365 2517	STF	1 ¼ – 4	N/A	365 2517
EL	1 ¼ – 2	300 2068	365 2517	FLTL	1 ¼ – 2	N/A	365 2517	TF	2 ¼ – 4	N/A	365 2517
ET40	1 ¼ – 2	300 2068	365 2517	GL	1 ¼ – 2	300 2068	365 2517	WLS	1 ¼ – 2	300 2068	365 2517
EZF	3 – 4	300 2068	365 2517	MF	1 ¼ – 4	300 2068	365 2517	WST	1 ¼ – 2	N/A	365 2517
								XL	1 ¼ – 2	300 2068	365 2517

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 (Push On Condition)		Joint Assembled			
						X inches mm	Y inches mm	X inches mm	Y inches mm	Z inches mm	
1 1/4 32	1.660 42.4	365 2517	790 3514	0.10 2.54	2 - 3/8 x 2 M - 10 x 2	3.10 79	4.90 124	2.70 69	4.90 124	1.92 49	1.4 0.7
1 1/2 40	1.900 48.3	365 2517	1035 4604	0.10 2.54	2 - 3/8 x 2 M - 10 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 - 3/8 x 2 M - 10 x 2	3.90 99	5.60 142	3.50 89	5.60 142	1.95 50	1.9 0.9
2 1/2 65	2.875 73.0	365 2517	2370 10542	0.12 3.05	2 - 3/8 x 2 1/2 M - 10 x 2 1/2	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 - 3/8 x 2 1/2 M - 10 x 2 1/2	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 - 3/8 x 2 1/2 M - 10 x 2 1/2	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 - 3/8 x 2 1/2 M - 10 x 2 1/2	5.95 151	7.80 199	5.54 141	7.47 190	2.14 55	2.9 1.3
108.0 mm	4.250 108.0	365 2517	5175 23020	0.17 4.318	2 - 3/8 x 2 1/2	5.56 141	7.39 188	5.28 134	7.36 187	2.14 54	3.1 1.4
5 125	5.563 141.3	365 2000	5178 23033	0.17 4.318	2 - 1/2 x 3	7.19 183	9.25 235	6.7 170	9.11 231	2.19 56	5.0 2.3
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	6.625 168.3	365 2000	9997 44469	0.17 4.318	2 - 1/2 x 3 1/4	8.32 211	10.29 261	7.82 199	10.13 257	2.17 55	6.0 2.7
8 200	8.625 219.1	365 1620	13730 61074	0.17 4.318	2 - 5/8 x 4	10.89 277	13.31 338	10.22 260	13.1 333	2.5 64	11.4 5.2

- 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 1/2 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.

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 similar benefits as a FlushSeal gasket for dry pipe systems. It should be noted that standard Victaulic 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.

Trademarks

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