

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

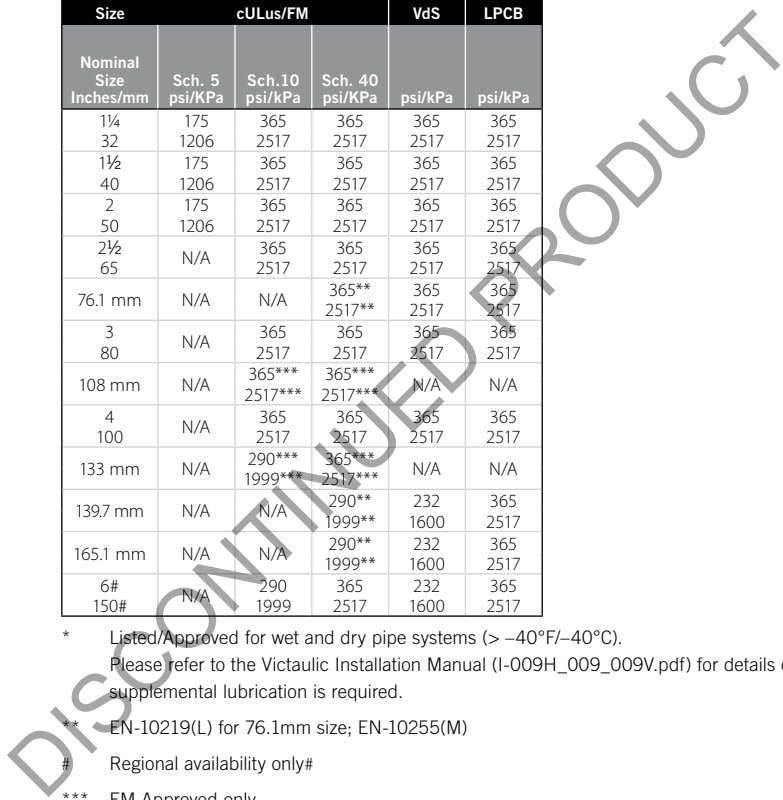
| Size | cULus/FM | | | VdS | LPCB |
|----------|------------------------|-------------------|-------------------|-------------|-------------|
| | Nominal Size Inches/mm | Sch. 5 psi/KPa | Sch. 10 psi/kPa | | |
| 1¼ | 175 | 365 | 365 | 365 | 365 |
| 32 | 1206 | 2517 | 2517 | 2517 | 2517 |
| 1½ | 175 | 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 | | Pressure Rating – psi/kPa | | Pipe | | Pressure Rating – psi/kPa | | Pipe | | Pressure Rating – psi/kPa | |
|------|---------|---------------------------|-------------|------|---------|---------------------------|-------------|------|---------|---------------------------|-------------|
| Sch. | Inches | cULus | FM | Sch. | Inches | cULus | FM | Sch. | Inches | 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 |

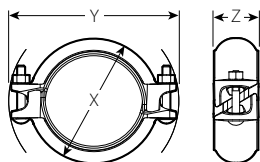
Note: The Specialty Pipe table only applies to imperial sizes, NOT to metric sizes.

DISCONTINUED PRODUCT

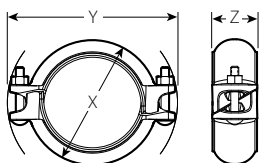
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STYLE 009H

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 | psi | Lbs. N | Inches | Inches | Pre-assembled (Stab in condition) | | Joint Assembled | | | Lbs. kg |
| | | | | | | X | Y | X | Y | Z | |
| 1 ¼ | 1.660 | 365 | 790 | 0.10 | 2 - 3/8 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 - 3/8 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 - 3/8 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 - 3/8 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 - 3/8 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 - 3/8 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 |
| 108 mm | 4.250 | 365 | 5178 | 0.17 | 2 - 3/8 x 2 ½ | 5.56 | 7.61 | 5.27 | 7.51 | 2.14 | 2.8 |
| | 108.0 | 2517 | 23030 | 4.32 | - M10 x 2 ½ | 141 | 193 | 134 | 191 | 54 | 1.2 |
| 4 | 4.500 | 365 | 5805 | 0.17 | 2 - 3/8 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 |
| 133 mm | 5.250 | 365 | 7900 | 0.17 | 2 - 3/8 x 2 ½ | 6.66 | 9.11 | 6.36 | 9.01 | 2.14 | 4.3 |
| | 133.0 | 2517 | 35140 | 4.33 | - M10 x 2 ½ | 169 | 232 | 162 | 229 | 55 | 1.9 |
| 139.7 mm | 5.500 | 365 | 8620 | 0.17 | 2 - 3/8 x 2 ½ | 6.75 | 9.29 | 6.46 | 9.23 | 2.09 | 4.6 |
| | 139.7 | 2517 | 38340 | 4.32 | - M10 x 2 ½ | 172 | 236 | 164 | 234 | 53 | 2.1 |
| 165.1 mm | 6.500 | 290 | 9623 | 0.17 | 2 - 5/8 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 - 5/8 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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