

Victaulic® FireLock™ Installation-Ready™ Fittings No. 101, 102, 103, 143



No. 101



No. 102



No. 103



No. 143

1.0 PRODUCT DESCRIPTION

Function

- Installation-Ready™ Fittings for Fire Protection Systems.

Available Sizes

- 1 ¼ – 2 ½"/32 – 65 mm, and 76.1 mm

Pipe Material

- Carbon steel, Schedule 10, Schedule 40. For use with alternative materials please contact Victaulic.

Maximum Working Pressure

- Up to 365 psi/2517 kPa/25 BAR

Pipe Preparation

- Roll Grooved, Cut Grooved

2.0 CERTIFICATION/LISTINGS



ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

System No.		Location		Spec Section		Paragraph	
Submitted By		Date		Approved		Date	



3.0 SPECIFICATIONS - MATERIAL

Fitting Housing: Ductile iron conforming to ASTM A536, Grade 65-45-12

Housing Coating:

- ☐ Orange enamel (North America, Asia Pacific)
- ☐ Red enamel (Europe)
- ☐ Optional: Hot dipped galvanized

Gasket:

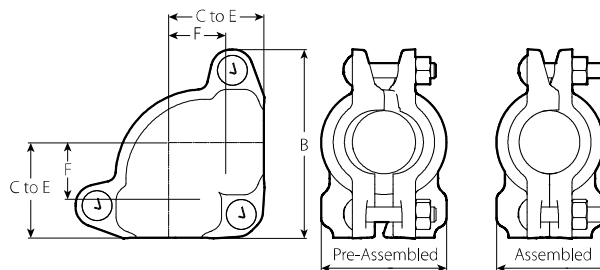
☐ **Grade “E” EPDM Type A Vic-Plus™ Gasket System**

EPDM (Violet color code). FireLock products have been Listed by UL LLC and Approved by FM Approvals LLC for fire sprinkler services up to the rated working pressure using the Grade “E” Type A Vic-Plus™ Gasket System, requiring no field lubrication for most installation conditions.

Bolts/Nuts: Carbon steel oval neck track bolts meeting the physical and chemical requirements of ASTM A449 (imperial) and ISO 898-1 Class 9.8 (metric). Carbon steel hex nuts meeting the physical and chemical requirements of ASTM A563 Grade B (imperial) and ASTM A563M Class 9 (metric). Track bolts and hex nuts are zinc electroplated per ASTM B633 ZN/FE5, finish Type III (imperial) or Type II (metric).

4.0 DIMENSIONS

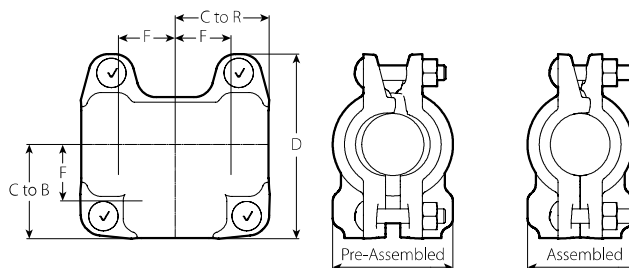
No. 101 90° Elbow



Size		Bolt/Nut		Dimensions					Weight
Nominal	Actual Outside Diameter	Qty.	Size	F Take Out	C to E	B	Pre-Assembled	Assembled	Approximate (Each)
inches DN	inches mm		inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	lb kg
1 ¼ DN32	1.660 42.1	3	¾ x 2 M10 X 50	1.50 38	2.44 62	4.75 121	3.19 81	2.88 73	3.2 1.4
1 ½ DN40	1.900 48.3	3	¾ x 2 M10 X 50	1.56 40	2.56 65	5.000 127	3.50 89	3.06 78	3.7 1.7
2 DN50	2.375 60.3	3	7/16 x 2.75 M11 X 69	1.88 48	2.81 71	5.63 143	4.19 106	3.63 92	5.4 2.5
2 ½	2.875 73.0	3	7/16 x 2.75 M11 X 69	2.13 54	3.06 77	6.13 156	4.63 118	4.06 103	6.4 2.9
DN65	3.000 76.1	3	M11 x 69	2.19 56	3.13 80	6.19 157	4.75 121	4.19 106	6.6 3.0

4.1 DIMENSIONS

No. 102 Tee



Size		Bolt/Nut		Dimensions						Weight
Nominal	Actual Outside Diameter	Qty.	Size	F Take Out	C to B	C to R	D	Pre-Assembled	Assembled	Approximate (Each)
inches DN	inches mm		inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	inches mm	lb kg
1 ¼ DN32	1.660 42.4	4	¾ x 2 M10 X 50	1.50 38	2.44 62	2.44 62	4.75 121	3.19 81	2.88 73	4.2 1.9
1 ½ DN40	1.900 48.3	4	¾ x 2 M10 X 50	1.56 40	2.56 65	2.56 65	5.00 127	3.50 89	3.06 78	4.6 2.1
2 DN50	2.375 60.3	4	7/16 x 2.75 M11 X 69	1.88 48	2.88 73	2.88 73	5.50 140	4.19 106	3.63 92	6.4 2.9
2 ½	2.875 73.0	4	7/16 x 2.75 M11 X 69	2.13 54	3.13 80	3.13 80	6.00 152	4.63 118	4.06 103	7.5 3.4
DN65	3.000 76.1	4	M11 x 69	2.19 56	3.19 81	3.19 81	6.19 157	4.75 121	4.19 106	7.8 3.5