Victaulic® Floor-Mounted Carbon Steel Riser Anchor No. A10

07.70

2 – 3"/DN50 – DN80

4 – 12"/DN100 – DN300

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 12"/DN50 – DN300

Maximum Working Pressure

- Accommodates pressures ranging from full vacuum (29.9 in Hg) up to 500 psi/3447 kPa/34 bar

Application

- For use on carbon steel NPS riser piping
- An engineered pipe anchor used to assist in directing pipe movement in piping system risers that are designed and installed exclusively with Victaulic grooved products
- Exclusively for use with pipe and Victaulic products which feature the Victaulic Original Groove System (OGS) groove profile (see section 7.0 for Reference Materials)

NOTE

- Only for use in carbon steel piping systems. For stainless steel applications, refer to publication 17.70: Victaulic Floor Mounted Stainless Steel Riser Anchor: No. A10S.

2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under Victaulic's Quality Management System, as certified by LPCB in accordance with ISO 9001:2018.

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

System No.		Location	
Submitted By		Date	

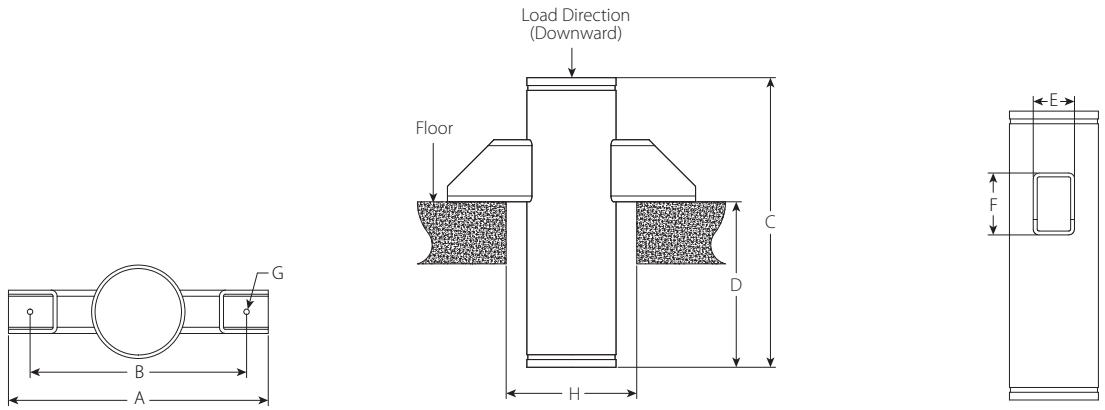
Spec Section		Paragraph	
Approved		Date	

3.0 SPECIFICATIONS – MATERIAL

- Standard weight carbon steel conforming to ASTM A53 Grade B Type E
- Brackets:
  - 2 – 3"/DN50 – DN80: Carbon steel conforming to ASTM A36
  - 4 – 12"/DN100 – DN300: Carbon steel conforming to ASTM A500 Grade D
- Roll grooved with Victaulic Original Groove System (OGS)
- Standard coating: Orange enamel
- Fastening selection/method by others[1]

[1] Material, type, length, and capacity shall be the responsibility of others.

4.0 DIMENSIONS



Size		Dimensions								Weight
Nominal inches DN	Actual Outside Diameter inches mm	A inches mm	B inches mm	C inches mm	D inches mm	E inches mm	F inches mm	G Bolt Hole Diameter inches mm	H Maximum Floor Hole Diameter inches mm	Approx. (Each) lbs kg
2 DN50	2.375 60.3	14.00 356	12.00 305	24.00 610	16.00 406	2.00 51	3.00 76	0.625 15.9	6.375 161.9	10.0 4.5
2 ½	2.875 73.0	14.00 356	12.00 305	24.00 610	16.00 406	2.00 51	3.00 76	0.625 15.9	6.875 174.6	14.0 6.5
3 DN80	3.500 88.9	16.00 406	14.00 356	24.00 610	16.00 406	2.00 51	3.00 76	0.625 15.9	7.500 190.5	17.0 7.5
4 DN100	4.500 114.3	16.00 406	14.00 356	24.00 610	16.00 406	2.00 51	4.00 102	0.625 15.9	8.500 215.9	30.0 14.0
5	5.563 141.3	18.00 457	16.00 406	24.00 610	16.00 406	2.00 51	4.00 102	0.625 15.9	9.963 253.1	42.0 19.1
6 DN150	6.625 168.3	21.00 533	18.00 457	28.00 711	16.00 406	4.00 102	6.00 152	0.875 22.2	10.625 269.9	68.0 30.8
8 DN200	8.625 219.1	23.00 584	20.00 508	28.00 711	16.00 406	4.00 102	6.00 152	0.875 22.2	12.625 320.7	90.0 40.8
10 DN250	10.750 273.0	27.00 686	24.00 610	30.00 762	16.00 406	4.00 102	6.00 152	0.875 22.2	14.750 374.7	135.0 61.2
12 DN300	12.750 323.9	31.00 787	28.00 711	30.00 762	16.00 406	4.00 102	6.00 152	0.875 22.2	16.750 425.5	152.0 69.0

5.0 PERFORMANCE

Size		Maximum Working Pressure	Maximum Anchor Load[2-4] Downward	Maximum Anchor Load[2-5] Upward
Nominal	Actual Outside Diameter			
inches DN	inches mm	psi kPa	lbs N	lbs N
2 DN50	2.375 60.3	500 3445	3500 15500	700 3114
2 ½	2.875 73.0	500 3445	5000 22200	1000 4448
3 DN80	3.500 88.9	500 3445	6500 28900	1200 5338
4 DN100	4.500 114.3	500 3445	10000 44400	2000 8896
5	5.563 141.3	500 3445	15000 66700	3000 13345
6 DN150	6.625 168.3	500 3445	20000 88900	4000 17793
8 DN200	8.625 219.1	500 3445	30000 133400	6000 26689
10 DN250	10.750 273.0	500 3445	35000 155600	7000 31138
12 DN300	12.750 323.9	500 3445	40000 177900	8000 35586

[2] Engineer of Record and/or structural engineer are responsible to verify that the attachment method and supporting structure are structurally adequate to withstand the above noted Maximum Anchor Loads. For bolted applications, all reaction forces on the bolts shall be accounted for, including, but not limited to, tensile loads that result from downward loading as a result of bracket reacting with the structure, and tensile loads resulting from upward loading.

[3] Anchor is only designed for loading in the axial directions of the pipe, vertically upwards or downwards. Any lateral loading must be negated by the owner/engineer by the use of guides or other methods to ensure only vertical, axial loading is transmitted to the anchor.

[4] For applications with maximum anchor loads greater than listed above, please contact Victaulic.

[5] Acceptable methods of attachment include bolting or welding of the brackets to the structure. Chosen method is the responsibility of others.

6.0 NOTIFICATIONS

⚠ WARNING

- **Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping products**
- **Depressurize and drain the piping system before attempting to install, remove, adjust, or maintain any Victaulic piping products**
- **Wear safety glasses, hardhat, and foot protection**

Failure to follow these instructions could result in death or serious personal injury and property damage.

7.0 REFERENCE MATERIALS

06.02: Victaulic Zero-Flex Rigid Coupling: Style 07
06.04: Victaulic Standard Flexible Coupling: Style 77
06.23: Victaulic QuickVic™ Rigid Coupling: Style 107N
06.24: Victaulic QuickVic™ Flexible Coupling: Style 177N
I-100: Victaulic Field Installation Handbook
I-107N: Victaulic Installation Instructions: Style 107N QuickVic™ Installation-Ready™ Rigid Coupling
I-177N: Victaulic Installation Instructions: Style 177N QuickVic™ Installation-Ready™ Flexible Coupling
I-A10/A10S: Victaulic Installation Instructions: Nos. A10 and A10S Floor-Mounted Riser Anchors

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