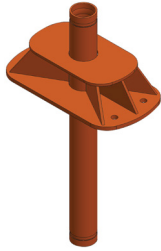


Victaulic® Carbon Steel Heavy Riser Anchor



07.72

No. A20



2 – 12"/DN50 – DN300

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 – 12"/DN50 – DN300

Maximum Working Pressure

- 2 – 6"/DN50 – DN150: Full vacuum (29.9 in Hg) up to 1000 psi/6895 kPa
- 8 – 12"/DN200 – DN300: Full vacuum (29.9 in Hg) up to 800 psi/5516 kPa

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)

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 | |

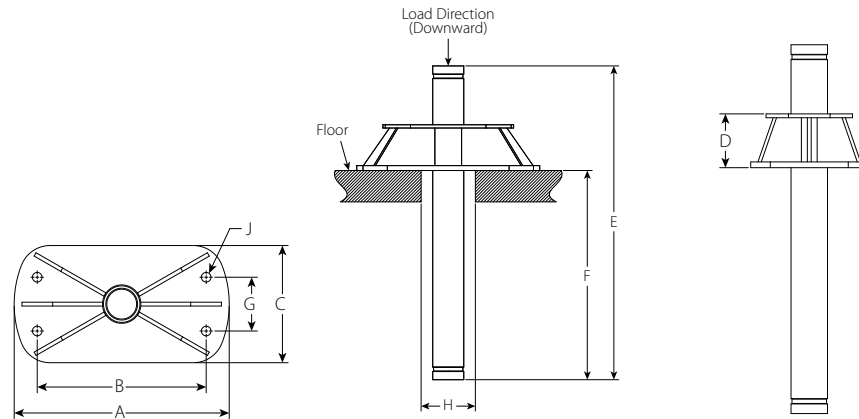


3.0 SPECIFICATIONS – MATERIAL

- Pipe: Standard weight carbon steel conforming to ASTM A53 Grade B Type E
- Brackets: Carbon steel conforming to ASTM A36
- Standard coating: Orange enamel
- Fastening selection/method by others¹

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 inches mm | H Maximum Floor Hole Diameter inches mm | J Bolt Hole Diameter inches mm | Approx. (Each) lbs kg |
| 2 DN50 | 2.375 60.3 | 14.00 356 | 11.00 279 | 7.63 194 | 3.50 89 | 24.00 610 | 16.00 406 | 3.50 89 | 6.375 161.9 | 0.63 16 | 25.9 11.8 |
| 2½ | 2.875 73.0 | 14.50 368 | 11.50 292 | 8.13 206 | 3.50 89 | 24.00 610 | 16.00 406 | 3.50 89 | 6.875 174.6 | 0.63 16 | 31.4 14.3 |
| 3 DN80 | 3.500 88.9 | 15.00 381 | 12.00 305 | 8.75 222 | 3.50 89 | 24.00 610 | 16.00 406 | 4.00 102 | 7.500 190.5 | 0.63 16 | 36.3 16.5 |
| 4 DN100 | 4.500 114.3 | 16.00 406 | 13.00 330 | 9.75 248 | 4.50 114 | 24.00 610 | 16.00 406 | 4.50 114 | 8.500 215.9 | 0.63 16 | 47.0 21.3 |
| 5 | 5.563 141.3 | 18.00 457 | 14.00 356 | 10.75 273 | 4.50 114 | 24.00 610 | 16.00 406 | 5.00 127 | 9.563 242.9 | 0.63 16 | 58.3 26.4 |
| 6 DN150 | 6.625 168.3 | 20.00 508 | 14.25 362 | 11.88 302 | 4.50 114 | 28.00 711 | 16.00 406 | 5.50 140 | 10.625 269.9 | 0.63 16 | 90.1 40.9 |
| 8 DN200 | 8.625 219.1 | 22.00 559 | 16.25 413 | 13.88 352 | 6.50 165 | 28.00 711 | 16.00 406 | 6.00 152 | 12.625 320.7 | 0.88 22 | 125.2 56.8 |
| 10 DN250 | 10.750 273.0 | 24.00 610 | 18.25 464 | 16.00 406 | 6.50 165 | 30.00 762 | 16.00 406 | 7.00 178 | 14.750 374.7 | 0.88 22 | 167.5 76.0 |
| 12 DN300 | 12.750 323.9 | 26.00 660 | 20.25 514 | 18.00 457 | 6.50 165 | 30.00 762 | 16.00 406 | 7.50 191 | 16.750 425.5 | 0.88 22 | 197.9 90.0 |

5.0 PERFORMANCE

| Size | | Maximum Working Pressure | Maximum Anchor Load ²⁻⁶ Downward | Maximum Anchor Load ²⁻⁵ Upward |
|-------------------------|---|--------------------------|--|--|
| Nominal inches DN | Actual Outside Diameter inches mm | | | |
| 2 DN50 | 2.375 60.3 | 1000 6895 | 4500 20017 | 4500 20017 |
| 2 ½ | 2.875 73.0 | 1000 6895 | 6500 28913 | 6500 28913 |
| 3 DN80 | 3.500 88.9 | 1000 6895 | 10000 44482 | 10000 44482 |
| 4 DN100 | 4.500 114.3 | 1000 6895 | 16000 71171 | 16000 71171 |
| 5 | 5.563 141.3 | 1000 6895 | 25000 111205 | 12500 55603 |
| 6 DN150 | 6.625 168.3 | 1000 6895 | 35000 155687 | 17500 77844 |
| 8 DN200 | 8.625 219.1 | 800 5516 | 50000 222411 | 25000 111206 |
| 10 DN250 | 10.750 273.0 | 800 5516 | 75000 333616 | 37500 166808 |
| 12 DN300 | 12.750 323.9 | 800 5516 | 105000 467063 | 52500 233532 |







- 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 Maximum Anchor Load shall be the lesser of the value shown and the published Maximum End Load for the coupling selected to join the Anchor to the adjoining piping system.

NOTE

- Do not exceed the end load capacity of the coupling used to connect the No. A20 carbon steel heavy riser anchor.

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](#)

[06.12: Victaulic Rigid Coupling Style HP-70](#)

[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-A20: Victaulic Installation Instructions: No. A20 Carbon Steel Heavy Riser Anchor](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, installation guide, or this disclaimer.

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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.

Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of the product you are installing. Handbooks are included with each shipment of Victaulic products, providing 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.

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