

Victaulic® Aluminum Fittings



1.0 PRODUCT DESCRIPTION

Available Sizes:

- 1 – 12"/DN25 – DN300

Maximum Working Pressure:

- Pressure ratings for Victaulic aluminum fittings conform to the ratings of Victaulic Style 77A couplings (refer to [publication 21.01](#) for more information).

Application:

- Connects pipe, provides change in direction and adapts sizes or components
- Supplied with Victaulic Original Groove System (OGS) grooves
- Exclusively for use with Victaulic couplings, valves, accessories and pipe which feature ends with the Victaulic OGS groove profile

Pipe Materials:

- Aluminum. See product [submittal 21.01](#) for pipe materials and grooving information.

2.0 CERTIFICATION/LISTINGS

Not applicable – contact Victaulic with any questions.

3.0 SPECIFICATIONS – MATERIAL

Fitting:

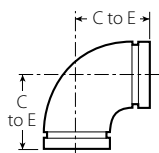
- Aluminum, ASTM B-26, 356-T6 alloy.

Nipples:

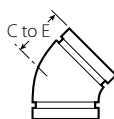
- Aluminum pipe conforming to ASTM B-210, alloy 6061T6 or 6063T6, standard weight.

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

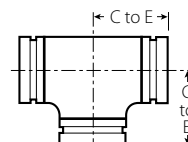
4.0 DIMENSIONS



No. 10-A 90° Elbow



No. 11-A 45° Elbow



No. 20-A Tee



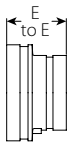
No. 60-A Cap

Size		No. 10-A 90 Elbow		No. 11-A 45 Elbow		No. 20-A Tee		No. 60-A Cap	
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. (Each) lb kg	C to E inches mm	Approx. (Each) lb kg	C to E inches mm	Approx. (Each) lb kg	C to E inches mm	Approx. (Each) lb kg
1 DN25	1.315 33.7	2.25 57	0.2 0.1	1.75 44	0.1 0.1	2.25 57	0.4 0.2	–	–
1 ½ DN40	1.900 48.3	2.75 70	0.4 0.2	1.75 44	0.3 0.1	2.75 70	0.7 0.3	–	–
2 DN50	2.375 60.3	3.25 83	0.7 0.3	2.00 51	0.5 0.2	3.25 83	1.0 0.5	–	–
2 ½	2.875 73.0	3.75 95	1.0 0.5	2.25 57	0.7 0.3	3.75 95	1.5 0.7	–	–
3 DN80	3.500 88.9	4.25 108	1.6 0.7	2.50 64	1.3 0.6	4.25 108	2.3 1.0	0.88 ¹ 22	0.5 0.2
4 DN100	4.500 114.3	5.00 127	3.0 1.4	3.00 76	1.9 0.9	5.00 127	4.1 1.9	1.00 ¹ 25	1.0 0.5
5	5.563 141.3	5.50 140	5.2 2.4	3.25 83	3.3 1.5	5.50 140	6.7 3.0	–	–
6 DN150	6.625 168.3	6.50 165	6.5 2.9	3.50 89	5.2 2.4	6.50 165	9.1 4.1	1.00 ¹ 25	3.0 1.4
8 DN200	8.625 219.1	7.75 197	14.0 6.4	4.25 108	8.2 3.7	7.75 197	18.4 8.3	1.25 ¹ 32	6.0 2.7
10 DN250	10.750 273.0	9.00 229	18.0 8.2	–	–	–	–	–	–
12 DN300	12.750 323.9	10.00 254	30.0 13.5	–	–	–	–	–	–

¹ Cap does not extend beyond coupling when assembled.

4.1 DIMENSIONS

Concentric Reducers



No. 50-A

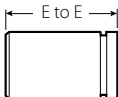
Size		Dimensions	Weight
Nominal inches DN		E to E inches mm	Approx. (Each) lb kg
2 DN50	x	1 DN25	0.2 0.1
		1 ½ DN40	0.3 0.1
3 DN80	x	2 DN50	0.6 0.3
4 DN100	x	2 DN50	0.9 0.4
		3 DN80	1.0 0.5
6 DN150	x	3 DN80	2.3 1.0
		4 DN100	2.3 1.0
8 DN200	x	6 DN150	6.0 2.7
10 DN250	x	8 DN200	6.5 2.9
12 DN300	x	10 DN250	12.8 5.8

4.2 DIMENSIONS

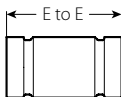
Adapter Nipples



No. 40-A
Grooved x Threaded



No. 42-A
Grooved x Beveled



No. 43-A
Grooved x Grooved

Size		Dimensions	Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E ³ inches mm	Approx. ² (Each) lb kg
1 DN25	1.315 33.7	3.00 76	0.3 0.1
1 ½ DN40	1.900 48.3	4.00 102	0.4 0.2
2 DN50	2.375 60.3	4.00 102	0.5 0.2
2 ½	2.875 73.0	4.00 102	0.6 0.3
3 DN80	3.500 88.9	4.00 102	0.8 0.4
4 DN100	4.500 114.3	6.00 152	1.5 0.7
5	5.563 141.3	6.00 152	2.5 1.1
6 DN150	6.625 168.3	6.00 152	3.3 1.5
8 DN200	8.625 219.1	6.00 152	5.0 2.3
10 DN250	10.750 273.0	8.00 203	9.3 4.2
12 DN300	12.750 323.9	8.00 203	11.4 5.2

² Made of standard weight aluminum pipe.
³ Other lengths available. Contact Victaulic for details.

5.0 PERFORMANCE

Not applicable. Contact Victaulic with any questions.

6.0 NOTIFICATIONS

⚠️ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Always read and follow the I-ENDCAP, Victaulic End Cap Installation Safety Instructions, which can be downloaded at Victaulic.com.
- Wear safety glasses, hardhat, foot protection, and hearing protection.

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

7.0 REFERENCE MATERIALS

- [05.01: Victaulic® Seal Selection](#)
- [21.01: Victaulic® Aluminum Coupling Style 77A](#)
- [I-100: Victaulic® Field Installation Handbook](#)
- [I-ENDCAP: Victaulic® End Cap Installation Safety Instructions](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation 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, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the [Victaulic Installation Handbook](#) or installation instructions for 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 victaulic.com.

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Intellectual Property Rights

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Note

All products bearing a Victaulic trademark are manufactured by Victaulic or to Victaulic specifications. All products are to be installed only in accordance with the applicable Victaulic installation instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.