

# Victaulic® Aluminum Fittings

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## 1.0 PRODUCT DESCRIPTION

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### 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.

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## 2.0 CERTIFICATION/LISTINGS

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Product designed and manufactured under the Victaulic Quality Management System, as certified by LPCB in accordance with ISO-9001:2008.

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## 3.0 SPECIFICATIONS – MATERIAL

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### Fitting:

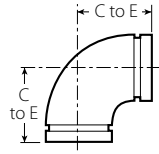
- Aluminum, ASTM B-26, 356-T6 alloy.

### Nipples:

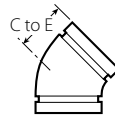
- Aluminum pipe conforming to ASTM B-210, alloy 6061T6 or 6063T6, standard weight.

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

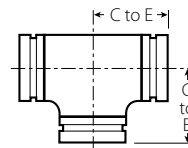
## 4.0 DIMENSIONS



No. 10-A 90° Elbow



No. 11-A 45° Elbow



No. 20-A Tee



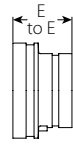
No. 60-A Cap

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	0.88 <sup>1</sup> 22	0.1 0.1
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	0.88 <sup>1</sup> 22	0.2 0.1
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	0.88 <sup>1</sup> 22	0.3 0.1
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	0.88 <sup>1</sup> 22	0.3 0.1
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 <sup>1</sup> 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 <sup>1</sup> 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	1.00 <sup>1</sup> 25	2.1 1.0
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 <sup>1</sup> 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 <sup>1</sup> 32	6.0 2.7
10 DN250	10.750 273.0	9.00 229	18.0 8.2	4.75 121	11.3 5.1	NA	NA	1.31 <sup>1</sup> 33	11.5 5.2
12 DN300	12.750 323.9	10.00 254	30.0 13.5	5.25 133	18.2 8.3	NA	NA	1.31 <sup>1</sup> 33	16.1 7.3

<sup>1</sup> Cap does not extend beyond coupling when assembled.

## 4.1 DIMENSIONS

### Concentric Reducers

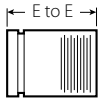


No. 50-A

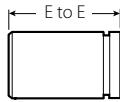
Size		Dimensions		Weight	
Nominal inches DN	x	Nominal inches DN	E to E		Approx. (Each) lb kg
			inches	mm	
1 ½ DN40	x	1 DN25	2.50 64	0.2 0.1	
2 DN50	x	1 DN25	2.50 64	0.2 0.1	
		1 ½ DN40	2.50 64	0.3 0.1	
3 DN80	x	1 DN25	2.50 64	0.7 0.3	
		2 DN50	2.50 64	0.6 0.3	
		2 ½	2.50 64	0.5 0.2	
		3 DN80	3.00 76	1.0 0.5	
4 DN100	x	2 DN50	3.00 76	0.9 0.4	
		2 ½	3.00 76	1.1 0.5	
		3 DN80	3.00 76	1.0 0.5	
6 DN150	x	3 DN80	4.00 102	2.3 1.0	
		4 DN100	4.00 102	2.3 1.0	
8 DN200	x	4 DN100	5.00 127	6.0 2.7	
		6 DN150	5.00 127	6.0 2.7	
		8 DN200	6.00 152	6.5 2.9	
12 DN300	x	10 DN250	7.00 178	12.8 5.8	

## 4.2 DIMENSIONS

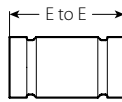
### Adapter Nipples



No. 40-A  
Grooved x Threaded



No. 42-A  
Grooved x Beveled



No. 43-A  
Grooved x Grooved

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

<sup>2</sup> Made of standard weight aluminum pipe.







<sup>3</sup> 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, 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

[05.01: Victaulic Seal Selection](#)

[21.01: Victaulic Aluminum Coupling Style 77A](#)

[I-100: Victaulic Field Installation Handbook](#)

### 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, and the applicable building codes and related regulations 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](http://www.victaulic.com).

### Warranty

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

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