



1.0 PRODUCT DESCRIPTION

Available Sizes

- 90° and 45° Elbows: DN50 – DN100/2 – 4"
- Long Radius 90° and 45° Elbows: DN50 – DN150/2 – 6"
- Tee and Cap: DN50 – DN150/2 – 6"
- Reducing Tee: DN65 x DN50 to DN150 x DN100/2 ½ x 2" to 6 x 4"
- Concentric Reducer: DN65 x DN50 to DN150 x DN125/2 ½ x 2" to 6 x 5"
- Dielectric Transition: DN50 – DN150/2 – 6"

Maximum Working Pressure

- Fitting pressure ratings are equivalent to the pressure ratings of the coupling and tubing used to install them (see section 6.0 for Reference Materials).

Function

- Connects tubing, provides changes in direction, and adapts sizes or components in copper tubing systems.
- All fittings are supplied with ends formed to meet the roll groove specifications for Australian Standard AS 1432 copper tubing (see section 6.0 for Reference Materials). Fittings are exclusively for use with Victaulic couplings, valves, accessories and tubing which feature ends formed to meet the roll groove specifications for Australian Standard AS 1432 copper tubing found in [publication 25.06](#): Copper Tubing Roll Groove Specifications.

Pipe OD Requirements

- Victaulic copper fittings are designed for Australian Standard AS 1432 copper tubing sizes.

2.0 CERTIFICATION/LISTINGS



3.0 SPECIFICATIONS – MATERIAL

Wrought copper fittings manufactured to Type B copper tubing in accordance with Australian Standard AS 3688.

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	

4.0 DIMENSIONS

Elbows

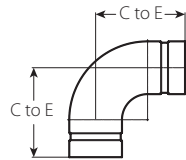
No. 610-AS 90° Elbow

No. 611-AS 45° Elbow

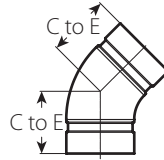
Long Radius Elbows

No. 610-LR-AS Long Radius 90° Elbow

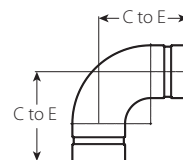
No. 611-LR-AS Long Radius 45° Elbow



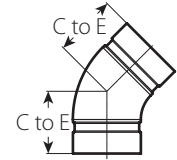
No. 610-AS



No. 611-AS



No. 610-LR-AS



No. 611-LR-AS

Size		No. 610-AS 90° Elbow		No. 611-AS 45° Elbow		No. 610-LR-AS 90° Elbow		No. 611-LR-AS 45° Elbow	
Nominal DN inches	Actual Outside Diameter mm inches	C to E mm inches	Weight Approximate (Each) kg lb	C to E mm inches	Weight Approximate (Each) kg lb	C to E mm inches	Weight Approximate (Each) kg lb	C to E mm inches	Weight Approximate (Each) kg lb
DN50	50.8	76	0.3	46	0.2	102	0.3	57	0.2
2	2.000	3.00	0.7	1.80	0.4	4.00	0.7	2.25	0.4
DN65	63.5	89	0.4	51	0.2	121	0.4	65	0.3
2 ½	2.500	3.50	0.9	2.00	0.4	4.75	0.9	2.56	0.7
DN80	76.2	102	0.6	56	0.3	140	0.8	73	0.5
3	3.000	4.00	1.3	2.20	0.7	5.50	1.8	2.88	1.1
DN100	101.6	127	0.9	67	0.5	178	1.4	88	0.8
4	4.000	5.00	2.0	2.63	1.1	7.00	3.1	3.46	1.8
DN125	127.0	-	-	-	-	216	2.0	104	1.2
5	5.000	-	-	-	-	8.50	4.4	4.10	2.6
DN150	152.4	-	-	-	-	253	3.2	119	1.8
6	6.000	-	-	-	-	10.00	7.1	4.70	4.0

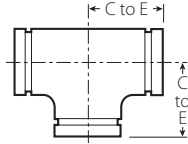
4.1 DIMENSIONS

Tee

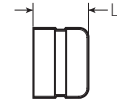
No. 620-AS

Cap

No. 660-AS



No. 620-AS

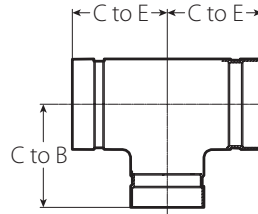


No. 660-AS

Size		No. 620-AS Tee		No. 660-AS Cap	
Nominal DN inches	Actual Outside Diameter mm inches	C to E mm inches	Weight Approximate (Each) kg lb	Thickness "L" mm inches	Weight Approximate (Each) kg lb
DN50 2	50.8 2.000	62 2.43	0.2 0.4	40 1.57	0.1 0.2
DN65 2 ½	63.5 2.500	72 2.83	0.3 0.7	40 1.57	0.1 0.2
DN80 3	76.2 3.000	80 3.13	0.6 1.3	55 2.17	0.2 0.4
DN100 4	101.6 4.000	105 4.13	1.1 2.4	55 2.17	0.3 0.7
DN125 5	127.0 5.000	118 4.63	1.4 3.1	55 2.17	0.4 0.9
DN150 6	152.4 6.000	130 5.13	2.3 5.1	55 2.17	0.7 1.5

4.2 DIMENSIONS

Reducing Tee No. 625-AS



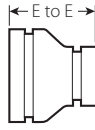
No. 625-AS

Size				No. 625-AS Reducing Tee								
Nominal DN inches		Actual Outside Diameter mm inches		C to E mm inches	C to B mm inches	Weight Approximate (Each) kg lb						
DN65 2 1/2	x	DN65 2 1/2	x	DN50 2	63.5 2.500	x	63.5 2.500	x	50.8 2.000	66 2.60	73 2.87	0.6 1.3
DN80 3	x	DN80 3	x	DN50 2	76.2 3.000	x	76.2 3.000	x	50.8 2.000	68 2.68	78 3.07	0.7 1.5
				DN65 2 1/2					63.5 2.500	74 2.91	78 3.07	0.8 1.8
DN100 4	x	DN100 4	x	DN50 2	101.6 4.000	x	101.6 4.000	x	50.8 2.000	80 3.15	91 3.58	1.2 2.6
				DN65 2 1/2					63.5 2.500	86 3.39	91 3.58	1.3 2.9
				DN80 3					76.2 3.000	92 3.62	93 3.66	1.3 2.9
DN125 5	x	DN125 5	x	DN80 3	127 5.000	x	127 5.000	x	76.2 3.000	92 3.62	106 4.17	1.8 4.0
				DN100 4					101.6 4.000	106 4.17	118 4.65	2.2 4.9
DN150 6	x	DN150 6	x	DN50 2	152.4 6.000	x	152.4 6.000	x	50.8 2.000	80 3.15	118 4.65	2.0 4.4
				DN65 2 1/2					63.5 2.500	86 3.39	118 4.65	2.1 4.6
				DN80 3					76.2 3.000	92 3.62	118 4.65	2.2 4.9
				DN100 4					101.6 4.000	106 4.17	130 5.12	2.6 5.7

4.3 DIMENSIONS

Concentric Reducer

No. 650-AS Grv. x Grv.

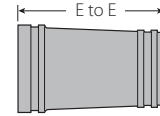


No. 650-AS

Size		No. 650-AS Concentric Reducer					
Nominal DN inches		Actual Outside Diameter mm inches		E to E mm inches	Weight Approximate (Each) kg lb		
DN65 2 ½	x 2	63.5 2.500	x 50.8 2.000	86 3.38	0.1 0.2		
DN80 3	x 2	76.2 3.000	x 50.8 2.000	86	0.2		
				DN65 2 ½	63.5 2.500	86 3.38	0.2 0.4
DN100 4	x 2	101.6 4.000	x 50.8 2.000	92	0.3		
				DN65 2 ½	63.5 2.500	92 3.63	0.3 0.7
				DN80 3	76.2 3.000	92 3.63	0.3 0.7
DN125 5	x 3	127 5.000	x 76.2 3.000	102	0.4		
				DN100 4	101.6 4.000	92 3.63	0.4 0.9
DN150 6	x 3	152.4 6.000	x 76.2 3.000	102	0.7		
				DN100 4	101.6 4.000	102 4.00	0.7 1.5
				DN125 5	127.0 5.000	102 4.00	0.7 1.5







4.4 DIMENSIONS

Dielectric Transition Style 647-AS



Size			Style 647-AS Dielectric Transition Grv x Grv	
Nominal DN inches	Actual Outside Diameter		E to E mm inches	Weight Approximate (Each) kg lb
	Copper (AS)	Steel (IPS)		
	mm inches	mm inches		
DN50 2	50.8 2.000	60.3 2.375	106 4.25	0.6 1.3
DN65 2 ½	63.5 2.500	73.0 2.875	157 6.25	1.3 3.0
DN80 3	76.2 3.000	88.9 3.500	157 6.25	1.8 3.9
DN100 4	101.6 4.000	114.3 4.500	157 6.25	2.6 5.7
DN125 5	127.0 5.000	141.3 5.563	157 6.25	3.5 7.7
DN150 6	152.4 6.000	168.3 6.625	157 6.25	4.5 10.0

5.0 NOTIFICATIONS

WARNING					
					
<ul style="list-style-type: none">• Read and understand all instructions before attempting to install, remove, adjust, or maintain any Victaulic piping 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.• Wear safety glasses, hardhat, and foot protection. <p>Failure to follow these instructions could result in death or serious personal injury and property damage.</p>					

6.0 REFERENCE MATERIALS

- [05.01: Victaulic Seal Selection Guide](#)
- [22.50: Victaulic QuickVic™ Rigid Coupling for Australian Standard Copper Style 607N-A](#)
- [22.51: Victaulic Rigid Coupling for Australian Standard Copper Style 606-AS](#)
- [24.01: Victaulic Pipe Preparation Tools](#)
- [25.06: Victaulic Copper Tubing Roll Groove Specifications](#)
- [I-ENDCAP: Victaulic End Cap Installation Safety Instructions](#)

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.

Warranty

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

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