Victaulic® AGS Grooved End Fittings

1.0 PRODUCT DESCRIPTION

Available Sizes:

- 14 – 60"/DN350 – DN1500
- Additional sizes and configurations available upon request

Maximum Working Pressure:

- Pressure ratings for Victaulic AGS fittings conform to the ratings of the Style W07 or Style W77 couplings (refer to publications 20.02 or 20.03 for more information)

Function:

- Connects pipe, provides change in direction and adapts to sizes or components
- Supplied with Victaulic Advanced Groove system (AGS) Groove
- Exclusively for use with Victaulic couplings, valves, accessories and pipe which feature ends formed with the Victaulic AGS groove profile

2.0 CERTIFICATIONS/LISTINGS

FM APPROVED

c UL LISTED

NOTE

- Download publication 10.01 for Fire Protection Certifications/Listings Reference Guide.

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

 © 2026 Victaulic Company. All rights reserved.

3.0 SPECIFICATIONS – MATERIAL

Fittings:

Cast Fitting: Ductile iron conforming to ASTM A536, Grade 65-45-12. Ductile iron conforming to ASTM A395, Grade 65-45-15, is available upon special request.

Welded fitting: Segmentally welded carbon steel, standard wall, conforming to ASTM A53, Type E or S, Gr. B or API-5L, PSL 1 or PSL 2.

Nipples: Carbon steel pipe conforming to ASTM A53, Type E or S, Grade B or API-5L, PSL 1 or PSL 2.

Flanged Adapter Nipples:

Flange: ASME/ANSI B16.5 raised face carbon steel slip-on flange.

Pipe: Carbon steel pipe conforming to ASTM A53, Type E or S, Grade B or API-5L, PSL 1 or PSL 2.

Fitting Coatings: (specify choice)

- ☐ Standard: Orange enamel.
- ☐ Optional: Hot dipped galvanized (ASTM A153) and others.
- ☐ Optional: Liquid Epoxy (AWWA C210)
- ☐ Optional: Fusion Bonded Epoxy (AWWA C213)
- ☐ Optional: Other coatings available, contact Victaulic for details.

Flanged Adapter Nipple Coating:

- ☐ None (Unfinished).
- ☐ Optional: Orange enamel.
- ☐ Optional: Hot dip galvanized and others.

Fitting Linings: (specify choice)

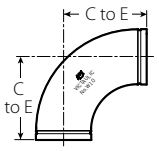
- ☐ Standard: Orange Enamel
- ☐ Optional: Hot Dip Galvanized (ASTM A153)
- ☐ Optional: Liquid Epoxy (AWWA C210).
- ☐ Optional: FBE (AWWA C213)
- ☐ Optional: Others available upon request contact Victaulic for details.

 © 2026 Victaulic Company. All rights reserved.

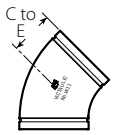
4.0 DIMENSIONS

Elbows and Tees

No. W10 90° Elbow
No. W11 45° Elbow
No. W12 22° Elbow
No. W13 11° Elbow

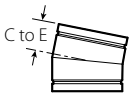


No. W10



No. W11

No. W12



No. W13

Size		No. W10 90° Elbow		No. W11 45° Elbow		No. W12 22½° Elbow (sw)		No. W13 11¼° Elbow (sw)	
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. Weight Each lb kg	C to E inches mm	Approx. Weight Each lb kg	C to E inches mm	Approx. Weight Each lb kg	C to E inches mm	Approx. Weight Each lb kg
14 DN350	14.000 355.6	14.00 355.6	150.8 68.4	5.80 147	63.0 28.7	5.00 127	46.0 20.9	3.50 89	32.0 14.5
	14.843 377.0	14.84 377	157.7 71.5	6.15 156	74.7 33.9	– –	– –	– –	– –
16 DN400	16.000 406.4	16.00 406.4	184.3 83.6	6.63 168	93.8 42.5	5.00 127	52.1 23.6	4.00 102	42.0 19.1
	16.772 426.0	16.77 426	201.6 91.5	6.95 177	96.2 43.7	– –	– –	– –	– –
18 DN450	18.000 457.0	18.00 457.2	272.3 123.5	7.46 189	129.0 58.5	5.50 140	65.0 29.5	4.50 114	53.2 24.1
	18.898 480.0	18.90 480	279.0 126.6	7.83 199	132.7 60.2	– –	– –	– –	– –
20 DN500	20.000 508.0	20.00 508.0	312.0 141.5	8.28 210	165.3 75.0	6.00 152	78.6 36.0	5.00 127	65.0 29.5
24 DN600	24.000 610.0	24.00 609.6	559.8 253.9	9.94 252	264.5 120.0	7.00 178	110.3 50.0	6.00 152	94.5 42.9
26 DN650	26.000 660.4	– –	– –	– –	– –	6.75 171.5	122.0 55.3	5.00 127.0	92.0 41.7
28 DN700	28.000 711.2	– –	– –	– –	– –	7.00 177.8	136.0 61.6	5.25 133.4	104.0 47.1
30 DN750	30.000 762.0	– –	– –	– –	– –	7.25 184.2	151.0 68.4	5.25 133.4	112.0 50.8
32 DN800	32.000 812.8	– –	– –	– –	– –	7.50 190.5	167.0 75.7	5.50 139.7	124.0 56.2
36 DN900	36.000 914.4	– –	– –	– –	– –	7.75 196.9	194.0 87.9	5.50 139.7	140.0 63.5
40 DN1000	40.000 1016.0	– –	– –	– –	– –	8.75 222.3	322.0 146.1	6.25 158.8	234.0 106.1
42 DN1050	42.000 1066.8	– –	– –	– –	– –	9.00 228.6	348.0 157.8	6.25 158.8	246.0 111.5
46 DN1150	46.000 1168.4	– –	– –	– –	– –	9.25 235.0	392.0 177.8	6.50 165.1	280.0 127.1
48 DN1200	48.000 1219.2	– –	– –	– –	– –	9.50 241.3	420.0 190.5	6.80 172.7	303.0 137.4
54 DN1350	54.000 1371.6	– –	– –	– –	– –	12.00 304.8	592.0 268.5	8.75 222.3	437.0 198.2
56 DN1400	56.000 1422.4	– –	– –	– –	– –	12.25 311.2	627.0 284.4	9.00 228.6	465.0 210.1
60 DN1500	60.000 1524.0	– –	– –	– –	– –	12.75 323.9	698.0 316.6	9.25 235.0	512.0 232.2

(sw) = Carbon Steel Segmentally Welded

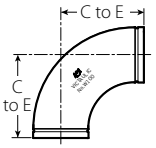
NOTE
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

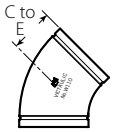
4.1 DIMENSIONS

Elbows and Tees

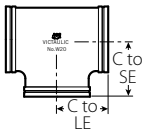
No. W100 90° Long Radius
No. W110 45° Long Radius
No. W20 Tee



No. W100



No. W110



No. W20

Size		No. W100 90° Long Radius Elbow		No. W110 45° Long Radius Elbow		No. W20 Tee		
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. Weight Each lb kg	C to E inches mm	Approx. Weight Each lb kg	C to E Run inches mm	C to E Branch inches mm	Approx. Weight Each lb kg
14 DN350	14.000 355.6	21.00 533	210.4 95.4	8.75 222	105.2 47.7	11.00 279	11.00 279	102.0 46.3
	14.843 377.0	– –	– –	– –	– –	11.50 292	11.50 292	176.3 80.0
16 DN400	16.000 406.4	24.00 610	274.8 124.7	10.00 254	137.4 62.3	12.00 305	12.00 305	123.5 56.0
	16.772 426.0	– –	– –	– –	– –	13.00 330	13.00 330	226.9 102.9
18 DN450	18.000 457.0	27.00 686	383.9 174.1	11.25 286	192.0 87.1	13.50 343	13.50 343	281.0 127.5
	18.898 480.0	– –	– –	– –	– –	14.57 370	14.57 370	312.8 141.9
20 DN500	20.000 508.0	30.00 762	474.3 215.1	12.50 318	237.2 107.8	15.00 381	15.00 381	350.0 158.7
24 DN600	24.000 610.0	36.00 914	746.6 338.7	15.00 381	373.3 169.3	17.00 432	17.00 432	503.7 228.5
26 DN650	26.000 660.4	39.00 990.6	892.6 404.9	16.00 406.4	446.3 202.4	19.50 (sw) 495.3	19.50 (sw) 495.3	634.0 287.5
28 DN700	28.000 711.2	42.00 1066.8	1019.0 462.2	17.25 438.2	491.0 227.7	20.50 (sw) 520.7	20.50 (sw) 520.7	741.0 336.1
30 DN750	30.000 762.0	45.00 1143.0	1268.0 575.1	18.50 469.9	612.0 277.6	22.00 (sw) 558.8	22.00 (sw) 558.8	855.0 387.8
32 DN800	32.000 812.8	48.00 1219.2	1517.0 688.1	19.75 501.7	733.0 332.4	23.50 (sw) 596.9	23.50 (sw) 596.9	1190.0 539.7
36 DN900	36.000 914.4	54.00 1371.6	1925.0 83.1	22.25 565.2	935.0 424.1	26.50 (sw) 673.1	26.50 (sw) 673.1	1608.0 729.4
38 DN950	38.000 965.2	– –	– –	– –	– –	28.00 (sw) 711.2	28.00 (sw) 711.2	1496.0 678.5
40 DN1000	40.000 1016.0	60.00 1524.0	2883.0 1307.7	24.88 632.0	1397.0 633.7	29.50 (sw) 749.3	29.50 (sw) 749.3	1968.0 892.6
42 DN1050	42.000 1066.8	63.00 1600.2	3260.0 1478.7	26.00 660.4	1583.0 718.1	30.00 (sw) 762.0	28.00 (sw) 711.2	2891.0 1311.3
46 DN1150	46.000 1168.4	69.00 (sw) 1752.6	2270.0 1029.7	28.63 (sw) 727.2	1210.0 548.8	33.50 (sw) 850.9	31.50 (sw) 800.1	2620.0 1188.4
48 DN1200	48.000 1219.2	72.00 (sw) 1828.8	2471.0 1120.8	29.88 (sw) 759.0	1314.0 596.1	35.00 (sw) 889.0	33.00 (sw) 838.2	3805.0 1725.9
54 DN1350	54.000 1371.6	81.00 (sw) 2057.4	3120.0 1415.2	33.50 (sw) 850.9	1648.0 747.5	41.00 (sw) 1041.4	41.00 (sw) 1041.4	3656.0 1658.3
56 DN1400	56.000 1422.4	84.00 (sw) 2133.6	3355.0 1521.8	34.75 (sw) 882.7	1769.0 802.4	42.00 (sw) 1066.8	42.00 (sw) 1066.8	3961.0 1796.7
60 DN1500	60.000 1524.0	90.00 (sw) 2286.0	3850.0 1746.3	37.25 (sw) 946.2	2023.0 917.6	45.00 (sw) 1143.0	45.00 (sw) 1143.0	4325.0 1961.8

(sw) = Carbon Steel Segmentally Welded

NOTE

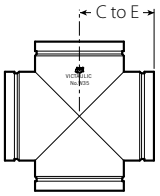
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

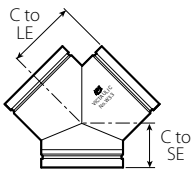
4.2 DIMENSIONS

Crosses and Wyes

No. W35 Cross
No. W33 True Wye



No. W35



No. W33

Size		No. W35 Cross (sw)		No. W33 True Wye (sw)		
Nominal inches DN	Actual Outside Diameter inches mm	C to E inches mm	Approx. Weight Each lb kg	C to LE inches mm	C to SE inches mm	Approx. Weight Each lb kg
14 DN350	14.000 355.6	11.00 279	121.0 54.9	11.00 279	7.50 191	98.0 44.4
16 DN400	16.000 406.4	12.00 305	146.4 66.4	12.00 305	8.00 203	119.3 54.1
18 DN450	18.000 457.0	13.50 343	185.4 84.1	13.50 343	8.50 216	148.3 67.3
20 DN500	20.000 508.0	15.00 381	229.1 103.9	15.00 381	9.00 229	180.4 81.8
24 DN600	24.000 610.0	17.00 432	298.7 135.5	17.00 432	10.00 254	238.3 108.1

(sw) = Carbon Steel Segmentally Welded

NOTE

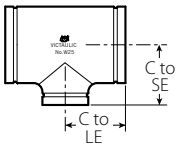
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

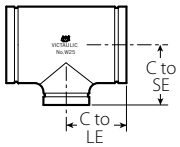
4.3 DIMENSIONS

Reducing Tee

No. W25 Reducing Tee



No. W25



No. W25

Size				No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN				C to LE inches mm	C to SE inches mm	lb kg
14 DN350	x	14 DN350	x 6 DN150	11.00 279	9.38 238	101.4 46.0
			8 DN200	11.00 279	9.75 248	102.5 46.5
			10 DN250	11.00 279	10.12 257	105.1 47.7
			12 DN300	11.00 279	10.62 270	108.1 49.0
16 DN400	x	16 DN400	x 6 DN150	12.00 305	10.38 264	126.2 57.2
			8 DN200	12.00 305	10.75 273	127.4 57.8
			10 DN250	12.00 305	11.12 282	129.8 58.9
			12 DN300	12.00 305	11.62 295	132.5 60.1
			14 DN350	12.00 305	12.00 305	134.6 61.1
18 DN450	x	18 DN450	x 6 DN150	13.50 343	11.38 289	160.0 72.6
			8 DN200	13.50 343	11.75 298	161.0 73.0
			10 DN250	13.50 343	12.12 308	163.1 74.0
			12 DN300	13.50 343	12.62 321	165.6 75.1
			14 DN350	13.50 343	13.00 330	167.6 76.0
			16 DN400	13.50 343	13.00 330	168.2 76.3

Size				No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN				C to LE inches mm	C to SE inches mm	lb kg
20 DN500	x	20 DN500	x 6 DN150	15.00 381	12.38 314	197.0 89.5
			8 DN200	15.00 381	12.75 324	198.5 90.0
			10 DN250	15.00 381	13.12 333	200.5 90.9
			12 DN300	15.00 381	13.62 346	202.9 92.0
			14 [1] DN350	15.00 381	14.00 356	204.7 92.9
			16 [1] DN400	15.00 381	14.00 356	205.0 93.0
			18 DN450	15.00 381	14.50 368	208.4 94.5
24 DN600	x	24 DN600	x 6 DN150	17.00 432	14.38 365	260.9 122.0
			8 DN200	17.00 432	14.75 375	270.0 123.0
			10 DN250	17.00 432	15.12 384	271.7 123.2
			12 DN300	17.00 432	15.62 397	273.8 124.2
			14 DN350	17.00 432	16.00 406	275.4 125.0
			16 DN400	17.00 432	16.00 406	275.3 125.0
			18 DN450	17.00 432	16.50 419	278.1 127.1
			20 DN500	17.00 432	17.00 432	282.1 128.0

[1] Cast fitting available. Contact Victaulic for details.

(sw) = Carbon Steel Segmentally Welded

NOTE

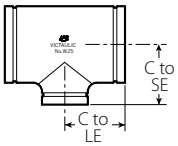
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

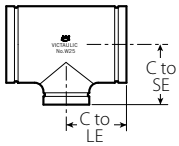
4.3 DIMENSIONS (CONTINUED)

Reducing Tee

No. W25 Reducing Tee



No. W25



No. W25

Size						No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN						C to LE inches mm	C to SE inches mm	lb kg
26 DN650	x	26 DN650	x	14 DN350		19.50 495.3	17.00 431.8	346.0 157.0
				16 DN400		19.50 495.3	17.00 431.8	346.0 157.0
				18 DN450		19.50 495.3	17.50 444.5	349.0 158.3
				20 DN500		19.50 495.3	18.00 457.2	352.0 159.7
				22 DN550		19.50 495.3	18.50 469.9	356.0 161.5
				24 DN600		19.50 495.3	19.00 482.6	361.0 163.8
28 DN700	x	28 DN700	x	14 DN350		20.50 520.7	18.00 457.2	391.0 177.4
				16 DN400		20.50 520.7	18.00 457.2	391.0 177.4
				18 DN450		20.50 520.7	18.50 469.9	393.0 178.3
				20 DN500		20.50 520.7	19.00 482.6	396.0 179.6
				22 DN550		20.50 520.7	19.50 495.3	400.0 181.4
				24 DN600		20.50 520.7	20.00 508.0	404.0 183.3
				16 DN650		20.50 520.7	20.50 520.7	410.0 186.0
30 DN750	x	30 DN750	x	14 DN350		22.00 558.8	19.00 482.6	449.0 203.7
				16 DN400		22.00 558.8	19.00 482.6	448.0 203.2
				18 DN450		22.00 558.8	19.50 495.3	451.0 204.6
				20 DN500		22.00 558.8	20.00 508.0	453.0 205.5
				22 DN550		22.00 558.8	20.50 520.7	457.0 207.3
				24 DN600		22.00 558.8	21.00 533.4	461.0 209.1
				26 DN650		22.00 558.8	21.50 546.1	466.0 211.4
				28 DN700		22.00 558.8	21.50 546.1	467.0 211.8

(sw) = Carbon Steel Segmentally Welded

NOTE

- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

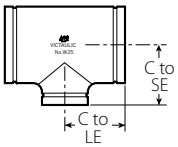
Size						No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN						C to LE inches mm	C to SE inches mm	lb kg
32 DN800	x	32 DN800	x	16 DN400		23.50 596.9	20.00 508.0	510.0 231.3
				18 DN450		23.50 596.9	20.50 520.7	512.0 232.2
				20 DN500		23.50 596.9	21.00 533.4	515.0 233.6
				22 DN550		23.50 596.9	21.50 546.1	518.0 235.0
				24 DN600		23.50 596.9	22.00 558.8	522.0 236.8
				26 DN650		23.50 596.9	22.50 571.5	527.0 239.1
				28 DN700		23.50 596.9	22.50 571.5	527.0 239.1
				30 DN750		23.50 596.9	23.00 584.2	533.0 241.8
36 DN900	x	36 DN900	x	18 DN450		26.50 673.1	22.50 571.5	648.0 293.9
				20 DN500		26.50 673.1	23.00 584.2	650.0 294.8
				22 DN550		26.50 673.1	23.50 596.9	653.0 296.2
				24 DN600		26.50 673.1	24.00 609.6	656.0 297.6
				26 DN650		26.50 673.1	24.50 622.3	661.0 299.8
				28 DN700		26.50 673.1	24.50 622.3	661.0 299.8
				30 DN750		26.50 673.1	25.00 635.0	666.0 302.1
				32 DN800		26.50 673.1	25.50 647.7	671.0 304.4
38 DN950	x	38 DN950	x	18 DN450		28.00 711.2	23.50 596.9	722.0 327.5
				20 DN500		28.00 711.2	24.00 609.6	724.0 328.4
				22 DN550		28.00 711.2	24.50 622.3	727.0 329.8
				24 DN600		28.00 711.2	25.00 635.0	730.0 731.1
				26 DN650		28.00 711.2	25.50 647.7	734.0 332.9
				28 DN700		28.00 711.2	25.50 647.7	734.0 332.9
				30 DN750		28.00 711.2	26.50 673.1	743.0 337.0
				32 DN800		28.00 711.2	27.00 685.8	749.0 339.8
				36 DN900		28.00 711.2	28.00 711.2	1003.0 455.0

 © 2026 Victaulic Company. All rights reserved.

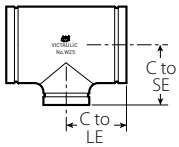
4.3 DIMENSIONS (CONTINUED)

Reducing Tee

No. W25 Reducing Tee



No. W25



No. W25

Size			No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN			C to LE inches mm	C to SE inches mm	lb kg
40 DN1000	x 40 DN1000	x 20 DN500	29.50 749.3	25.00 635.0	802.0 363.8
		22 DN550	29.50 749.3	25.50 647.7	804.0 364.7
		24 DN600	29.50 749.3	26.00 660.4	808.0 366.5
		26 DN650	29.50 749.3	26.50 673.1	811.0 367.9
		28 DN700	29.50 749.3	26.50 673.1	811.0 367.9
		30 DN750	29.50 749.3	27.50 698.5	820.0 371.9
		32 DN800	29.50 749.3	28.00 711.2	826.0 374.7
		36 DN900	29.50 749.3	29.00 736.6	1102.0 499.9
		38 DN950	29.50 749.3	29.50 749.3	1113.0 504.9
42 DN1050	x 42 DN1050	x 20 DN500	30.00 762.0	26.00 660.4	856.0 388.3
		22 DN550	30.00 762.0	26.00 660.4	854.0 387.3
		24 DN600	30.00 762.0	26.00 660.4	853.0 386.9
		26 DN650	30.00 762.0	27.50 698.5	865.0 392.4
		28 DN700	30.00 762.0	27.50 698.5	864.0 391.9
		30 DN750	30.00 762.0	28.00 711.2	868.0 393.7
		32 DN800	30.00 762.0	28.00 711.2	1140.0 517.1
		36 DN900	30.00 762.0	28.00 711.2	1139.0 516.7
		38 DN950	30.00 762.0	28.00 711.2	1139.0 516.7
		40 DN1000	30.00 762.0	28.00 711.2	1139.0 516.7

Size			No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN			C to LE inches mm	C to SE inches mm	lb kg
46 DN1150	x 46 DN1150	x 22 DN550	33.50 850.9	28.50 723.9	1042.0 472.7
		24 DN600	33.50 850.9	28.50 723.9	1046.0 474.5
		26 DN650	33.50 850.9	29.00 736.6	1049.0 475.8
		28 DN700	33.50 850.9	29.00 736.6	1049.0 475.8
		30 DN750	33.50 850.9	29.00 736.6	1050.0 476.3
		32 DN800	33.50 850.9	29.50 749.3	1055.0 478.6
		36 DN900	33.50 850.9	30.00 762.0	1053.0 477.6
		38 DN950	33.50 850.9	30.00 762.0	1060.0 480.8
		40 DN1000	33.50 850.9	30.50 774.7	1060.0 480.8
		42 DN1050	33.50 850.9	31.00 787.4	1060.0 480.8
48 DN1200	x 48 DN1200	x 24 DN600	35.00 889.0	29.00 736.6	1135.0 514.8
		26 DN650	35.00 889.0	30.00 762.0	1142.0 518.0
		28 DN700	35.00 889.0	30.00 762.0	1141.0 517.6
		30 DN750	35.00 889.0	30.00 762.0	1139.0 516.7
		32 DN800	35.00 889.0	31.00 787.4	1148.0 520.7
		36 DN900	35.00 889.0	31.00 787.4	1146.0 519.8
		38 DN950	35.00 889.0	32.00 812.8	1157.0 524.8
		40 DN1000	35.00 889.0	32.00 812.8	1157.0 524.8
		42 DN1050	35.00 889.0	32.00 812.8	1157.0 524.8
		46 DN1150	35.00 889.0	33.00 838.2	1539.0 698.1

(sw) = Carbon Steel Segmentally Welded

NOTE

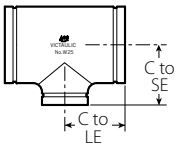
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

4.3 DIMENSIONS (CONTINUED)

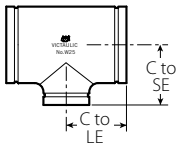
Reducing Tee

No. W25 Reducing Tee



No. W25

Size					No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN					C to LE inches mm	C to SE inches mm	lb kg
54 DN1350	x	54 DN1350	x	26 DN650	41.00 1041.4	41.00 1041.4	2805.0 1272.3
				28 DN700	41.00 1041.4	41.00 1041.4	2805.0 1272.3
				30 v750	41.00 1041.4	41.00 1041.4	2821.0 1279.6
				32 DN800	41.00 1041.4	41.00 1041.4	2835.0 1285.9
				36 DN900	41.00 1041.4	41.00 1041.4	2853.0 1294.1
				38 DN950	41.00 1041.4	41.00 1041.4	2879.0 1305.9
				40 DN1000	41.00 1041.4	41.00 1041.4	2906.0 1318.1
				42 DN1050	41.00 1041.4	41.00 1041.4	2932.0 1329.9
				46 DN1150	41.00 1041.4	41.00 1041.4	2985.0 1354.1
				48 DN1200	41.00 1041.4	41.00 1041.4	3012.0 1366.2
56 DN1400	x	56 DN1400	x	28 DN700	42.00 1066.8	42.00 1066.8	3059.0 1387.5
				30 DN750	42.00 1066.8	42.00 1066.8	3075.0 1394.8
				32 DN800	42.00 1066.8	42.00 1066.8	3087.0 1400.2
				36 DN900	42.00 1066.8	42.00 1066.8	3111.0 1411.1
				38 DN950	42.00 1066.8	42.00 1066.8	3137.0 1422.9
				40 v1000	42.00 1066.8	42.00 1066.8	3164.0 1434.2
				42 DN1050	42.00 1066.8	42.00 1066.8	3190.0 1447.1
				46 DN1150	42.00 1066.8	42.00 1066.8	3243.0 1471.1
				48 DN1200	42.00 1066.8	42.00 1066.8	3269.0 1482.8
				54 DN1350	42.00 1066.8	42.00 1066.8	3349.0 1519.1



No. W25

Size					No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches DN					C to LE inches mm	C to SE inches mm	lb kg
60 DN1500	x	60 DN1500	x	30 DN750	44.00 1117.6	44.00 1117.6	3269.0 1482.8
				32 DN800	44.00 1117.6	44.00 1117.6	3308.0 1500.5
				36 DN900	44.00 1117.6	44.00 1117.6	3345.0 1517.3
				38 DN950	44.00 1117.6	44.00 1117.6	3386.0 1535.9
				40 DN1000	44.00 1117.6	44.00 1117.6	3420.0 1551.3
				42 DN1050	44.00 1117.6	44.00 1117.6	3459.0 1569.1
				46 DN1150	44.00 1117.6	44.00 1117.6	3512.0 1593.1
				48 DN1200	44.00 1117.6	44.00 1117.6	3538.0 1604.8
				54 DN1350	44.00 1117.6	44.00 1117.6	3618.0 1641.1
				56 DN1400	44.00 1117.6	44.00 1117.6	3644.0 1652.9

(sw) = Carbon Steel Segmentally Welded

NOTE

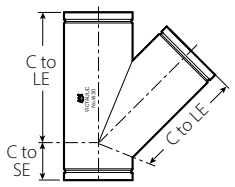
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

4.4 DIMENSIONS

45° Lateral

No. W30



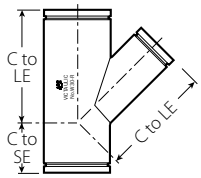
No. W30

Size		No. W30 45° Lateral (sw)		Approx. Weight Each
Nominal inches DN	Actual Outside Diameter inches mm	C to LE inches mm	C to SE inches mm	lb kg
14 DN350	14.000 355.6	26.50 673	7.50 191	219.1 99.4
16 DN400	16.000 406.4	29.00 737	8.00 203	270.5 122.7
18 DN450	18.000 457.0	32.00 813	8.50 216	332.7 150.9
20 DN500	20.000 508.0	35.00 889	9.00 229	401.3 182.0
24 DN600	24.000 610.0	40.00 1016	10.00 254	541.3 245.5

4.5 DIMENSIONS

45° Reducing Lateral

No. W30-R



No. W30-R

Size							No. W30-R Reducing Lateral (sw)		Approx. Weight Each
Nominal inches DN							C to LE inches mm	C to SE inches mm	lb kg
14 DN350	x	14 DN350	x	4 DN100			26.50 673	7.50 191	175.9 79.8
				6 DN150			26.50 673	7.50 191	185.9 84.3
				8 DN200			26.50 673	7.50 191	195.0 88.4
				10 DN250			26.50 673	7.50 191	204.4 92.7
				12 DN300			26.50 673	7.50 191	213.3 96.8
16 DN400	x	16 DN400	x	6 DN150			29.00 737	8.00 203	226.4 102.7
				8 DN200			29.00 737	8.00 203	236.0 107.1
				10 DN250			29.00 737	8.00 203	246.0 111.6
				12 DN300			29.00 737	8.00 203	255.1 115.7
				14 DN350			29.00 737	8.00 203	260.9 118.4
18 DN450	x	18 DN450	x	6 DN150			32.00 813	8.50 216	274.8 214.6
				8 DN200			32.00 813	8.50 216	285.3 129.4
				12 DN300			32.00 813	8.50 216	306.2 138.9
				14 DN350			32.00 813	8.50 216	312.4 141.7
				16 DN400			32.00 813	8.50 216	322.4 146.2
20 DN500	x	20 DN500	x	12 DN300			35.00 889	9.00 229	362.1 164.3
				14 DN350			35.00 889	9.00 229	368.7 167.2
				16 DN400			35.00 889	9.00 229	379.4 172.1
24 DN600	x	24 DN600	x	16 DN400			40.00 1016	10.00 254	494.9 224.5
				20 DN600			40.00 1016	10.00 254	517.7 254.8

(sw) = Carbon Steel Segmentally Welded

NOTE

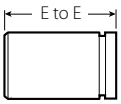
- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut groove, suitable for use with standard Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

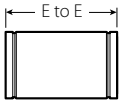
4.6 DIMENSIONS

Adapter Nipple

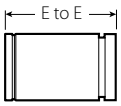
No. W42 AGS Grv. x Bev.
No. W43 AGS Grv. x AGS Grv.
No. W49 AGS Grv. x OGS Grv.



No. W42



No. W43



No. W49

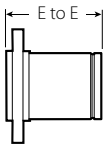
Size		No. 42 Adapter Nipple		No. 43 Adapter Nipple		No. 49 Adapter Nipple	
Nominal inches DN	**Actual Outside Dimeter** inches mm	**E to E** inches mm	**Approx. Weight (Each)** lb kg	**E to E** inches mm	**Approx. Weight (Each)** lb kg	**E to E** inches mm	**Approx. Weight (Each)** lb kg
14 DN350	14.000 355.6	8.00 203	36.0 16.3	8.00 203	36.0 16.3	8.00 203	36.0 16.3
16 DN400	16.000 406.4	8.00 203	42.0 19.1	8.00 203	42.0 19.1	8.00 203	42.0 19.1
18 DN450	18.000 457.0	8.00 203	47.0 21.3	8.00 203	47.0 21.3	8.00 203	47.0 21.3
20 DN500	20.000 508.0	8.00 203	52.0 23.6	8.00 203	52.0 23.6	8.00 203	52.0 23.6
24 DN600	24.000 610.0	8.00 203	63.0 28.6	8.00 203	63.0 28.6	8.00 203	63.0 28.6
26 DN650	26.000 660.4	12.00 304.8	104.0 47.1	12.00 304.8	104.0 47.1	– –	– –
28 DN700	28.000 711.2	12.00 304.8	112.0 50.8	12.00 304.8	112.0 50.8	– –	– –
30 DN750	30.000 762.0	12.00 304.8	120.0 54.4	12.00 304.8	120.0 54.4	– –	– –
32 DN800	32.000 812.8	12.00 304.8	128.0 58.1	12.00 304.8	128.0 58.1	– –	– –
36 DN900	36.000 914.4	12.00 304.8	190.0 86.1	12.00 304.8	190.0 86.1	– –	– –
40 DN1000	40.000 1016.0	12.00 304.8	211.0 95.7	12.00 304.8	211.0 95.7	– –	– –
42 DN1050	42.000 1066.8	12.00 304.8	222.0 100.7	12.00 304.8	222.0 100.7	– –	– –
46 DN1150	46.000 1168.4	12.00 304.8	243.0 110.2	12.00 304.8	243.0 110.2	– –	– –
48 DN1200	48.000 1219.2	12.00 304.8	254.0 115.2	12.00 304.8	254.0 115.2	– –	– –
54 DN1350	54.000 371.6	12.00 304.8	286.0 129.7	12.00 304.8	286.0 129.7	– –	– –
56 DN1400	56.000 1422.4	12.00 304.8	297.0 134.7	12.00 304.8	297.0 134.7	– –	– –
60 DN1500	60.000 1524.0	12.00 304.8	318.0 144.2	12.00 304.8	318.0 144.2	– –	– –

 © 2026 Victaulic Company. All rights reserved.

4.7 DIMENSIONS

Flanged Adapter Nipple

No. W41 PN10/PN16 Flange



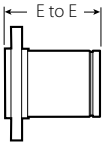
No. W41

Size	No. W41 Flanged Adapter Nipple (s)	
Nominal inches DN	**E to E** inches mm	**Approx. Weight Each** lbs kg
14 DN350	8.00 203	121.9 55.3
16 DN400	8.00 203	140.0 63.5
18 DN450	8.00 203	168.0 76.2
20 DN500	8.00 203	207.9 94.3
24 DN600	8.00 203	274.0 124.3

4.8 DIMENSIONS

Flanged Adapter Nipple

No. W45R ANSI Class 150 Raised Face



No. W45R

Size		No. W45R Flanged Adapter Nipple (s)	
Nominal inches DN	**Actual Outside Diameter** inches mm	**E to E** inches mm	**Approx. Weight Each** lb kg
14 DN350	14.000 355.6	8.00 203	122.0 55.3
16 DN400	16.000 406.4	8.00 203	136.0 61.7
18 DN450	18.000 457.0	8.00 203	168.0 76.2
20 DN500	20.000 508.0	8.00 203	208.0 94.3
24 DN600	24.000 610.0	8.00 203	274.0 124.3
26 DN650	26.000 660.4	12.00 304.8	254.0 115.2
28 DN700	28.000 711.2	12.00 304.8	262.0 118.8
30 DN750	30.000 762.0	12.00 304.8	270.0 122.4
32 DN800	32.000 812.8	12.00 304.8	278.0 126.1
36 DN900	36.000 914.4	12.00 304.8	340.0 154.2
40 DN1000	40.000 1016.0	12.00 304.8	361.0 163.7
42 DN1050	42.000 1066.8	12.00 304.8	372.0 168.7
46 DN1150	46.000 1168.4	12.00 304.8	393.0 178.2
48 DN1200	48.000 1219.2	12.00 304.8	404.0 183.2
54 DN1372	54.000 1371.6	16.00 406.4	436.0 197.8
56 DN1422	56.000 1422.2	16.00 406.4	447.0 202.8
60 DN1524	60.000 1524.0	16.00 406.4	468.0 212.3

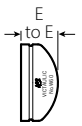
(s) = Carbon Steel

 © 2026 Victaulic Company. All rights reserved.

4.9 DIMENSIONS

Cap

No. W60



No. W60

Size		No. W60 Cap	
Nominal inches DN	**Actual Outside Diameter** inches mm	**E to E** inches mm	**Approx. Weight Each** lb kg
14 DN350	14.000 355.6	6.50 165.0	33.2 15.1
16 DN400	16.000 406.4	7.00 178.0	41.2 18.7
18 DN450	18.000 457.0	8.00 203.0	54.6 24.8
20 DN500	20.000 508.0	9.00 229.0	67.5 30.6
24 DN600	24.000 610.0	10.50 267.0	96.0 43.5
26 DN650	26.000 660.4	14.50 (sw) 368.3	144.0 65.3
28 DN700	28.000 711.2	15.00 (sw) 381.0	166.0 75.2
30 DN750	30.000 762.0	15.50 (sw) 393.7	187.0 84.8
32 DN800	32.000 812.8	16.00 (sw) 406.4	209.0 94.8
36 DN900	36.000 914.4	17.00 (sw) 431.8	253.0 114.7
40 DN1000	40.000 1016.8	18.00 (sw) 457.2	391.0 177.3
42 DN1050	42.000 1066.8	18.50 (sw) 469.9	420.0 190.5
46 DN1150	46.000 1168.4	19.50 (sw) 495.3	532.0 241.3
48 DN1200	48.000 1219.2	20.00 (sw) 508.0	613.0 278.1
54 DN1372	54.000 1371.6	21.50 (sw) 546.1	785.0 356.1
56 DN1422	56.000 1422.4	22.00 (sw) 558.8	875.0 396.8
60 DN1524	60.000 1524.0	23.00 (sw) 584.2	977.0 443.1

(sw) = Carbon Steel Segmentally Welded

NOTE

- All fittings are ductile iron unless otherwise noted with an (sw)

 © 2026 Victaulic Company. All rights reserved.

4.10 DIMENSIONS

Concentric/Eccentric Reducer

No. W50 Concentric
No. W51 Eccentric

No. W50

No. W51

Size			No. W50 Concentric Reducer (sw)		No. W51 Eccentric Reducer (sw)	
Nominal inches DN			E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg
14 DN350	x	6 DN150	13.00 330	68.0 30.8	13.00 330	68.0 30.8
		8 DN200	13.00 330	70.0 31.8	13.00 330	70.0 31.8
		10[1] DN250	13.00 330	72.0 32.7	13.00 330	72.0 32.7
		12[1] DN300	13.00 330	74.0 33.6	13.00 330	74.0 33.6
377 mm	x	10 273	13.00 330	73.6 33.4	13.00 330	81.9 37.1
		12 323.9	13.00 330	78.1 35.4	13.00 330	86.8 39.4
16 DN400	x	8 DN200	14.00 356	88.0 39.9	14.00 356	88.0 39.9
		10 DN250	14.00 356	91.0 41.3	14.00 356	91.0 41.3
		12[1] DN300	14.00 356	93.0 42.2	14.00 356	93.0 42.2
		14[1] DN350	14.00 356	95.0 43.1	14.00 356	95.0 43.1
426 mm	x	12 323.9	14.00 356	91.7 41.6	14.00 356	101.9 46.2
		377 mm	14.00 356	95.6 43.4	14.00 356	106.9 48.5
18 DN450	x	10 DN250	15.00 381	112.0 50.8	15.00 381	112.0 50.8
		12 DN300	15.00 381	115.0 52.2	15.00 381	115.0 52.2
		14[1] DN350	15.00 381	118.0 53.5	15.00 381	118.0 53.5
		16[1] DN400	15.00 381	121.0 54.9	15.00 381	121.0 54.9
480 mm	x	426 mm	15.00 381	125.1 56.8	15.00 381	139.4 63.3
		377 mm	15.00 381	119.2 54.1	15.00 381	119.2 60.9
20 DN500	x	12 DN300	20.00 508	160.0 72.6	20.00 508	160.0 72.6
		14 DN350	20.00 508	164.0 74.4	20.00 508	164.0 74.4
		16[1] DN400	20.00 508	168.0 76.2	20.00 508	168.0 76.2
		18[1] DN450	20.00 508	172.0 78.	20.00 508	172.0 78.
24 DN600	x	16 DN400	20.00 508	198.0 89.8	20.00 508	198.0 89.8
		18[1] DN450	20.00 508	200.0 90.7	20.00 508	200.0 90.7
		20[1] DN500	20.00 508	204.0 92.5	20.00 508	204.0 92.5

Size			No. W50 Concentric Reducer (sw)		No. W51 Eccentric Reducer (sw)	
Nominal inches DN			E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg
26 DN650	x	14 DN350	24.00 610	167.0 75.7	24.00 609.6	159.0 72.1
		16 DN400	24.00 610	173.0 78.4	24.00 609.6	167.0 75.7
		18 DN450	24.00 610	179.0 81.1	24.00 609.6	175.0 79.3
		20 DN500	24.00 610	185.0 83.9	24.00 609.6	183.0 83.1
		22 DN550	24.00 610	192.0 87.1	24.00 609.6	191.0 86.6
		24 DN600	24.00 610	199.0 90.2	24.00 609.6	199.0 90.2
28 DN700	x	14 DN350	24.00 610	180.0 81.6	24.00 609.6	167.0 75.7
		16 DN400	24.00 610	185.0 83.9	24.00 609.6	175.0 79.3
		18 DN450	24.00 610	190.0 86.1	24.00 609.6	183.0 83.0
		20 DN500	24.00 610	196.0 88.9	24.00 609.6	191.0 86.6
		22 DN550	24.00 610	202.0 91.6	24.00 609.6	199.0 90.2
		24 DN600	24.00 610	208.0 94.3	24.00 609.6	207.0 93.8
		26 DN650	24.00 610	216.0 97.9	24.00 609.6	215.0 97.5
30 DN750	x	14 DN350	24.00 610	192.0 87.1	24.00 609.6	175.0 79.3
		16 DN400	24.00 610	197.0 89.3	24.00 609.6	183.0 83.1
		18 DN450	24.00 610	202.0 91.6	24.00 609.6	191.0 86.6
		20 DN500	24.00 610	207.0 93.8	24.00 609.6	199.0 90.2
		22 DN550	24.00 610	213.0 96.6	24.00 609.6	207.0 93.8
		24 DN600	24.00 610	218.0 98.8	24.00 609.6	215.0 97.5
		26 DN650	24.00 610	225.0 102.1	24.00 609.6	223.0 101.5
		28 DN700	24.00 610	232.0 105.2	24.00 609.6	232.0 105.2

[1] Cast fitting available. Contact Victaulic for details.
(sw) = Carbon Steel Segmentally Welded

NOTE

- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

 © 2026 Victaulic Company. All rights reserved.

4.10 DIMENSIONS (CONTINUED)

Concentric/Eccentric Reducer

No. W50 Concentric
No. W51 Eccentric

No. W50

No. W51

Size		No. W50 Concentric Reducer (sw)		No. W51 Eccentric Reducer (sw)	
Nominal inches DN		E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg
32 DN800	x 16 DN400	24.00 610	210.0 95.3	24.00 609.6	191.0 86.6
	18 DN450	24.00 610	214.0 97.1	24.00 609.6	199.0 90.3
	20 DN500	24.00 610	219.0 99.3	24.00 609.6	207.0 93.9
	22 DN550	24.00 610	224.0 101.6	24.00 609.6	215.0 97.5
	24 DN600	24.00 610	229.0 103.9	24.00 609.6	223.0 101.2
	26 DN650	24.00 610	235.0 106.6	24.00 609.6	232.0 105.2
	28 DN700	24.00 610	241.0 109.3	24.00 609.6	240.0 108.9
	30 DN750	24.00 610	248.0 112.5	24.00 609.6	248.0 112.5
36 DN900	x 18 DN450	24.00 610	320.0 145.2	24.00 609.6	282.0 127.9
	20 DN500	24.00 610	325.0 147.4	24.00 609.6	292.0 132.5
	22 DN550	24.00 610	330.0 149.7	24.00 609.6	303.0 137.4
	24 DN600	24.00 610	336.0 152.4	24.00 609.6	314.0 142.4
	26 DN650	24.00 610	342.0 155.1	24.00 609.6	324.0 147.0
	28 DN700	24.00 610	348.0 157.9	24.00 609.6	335.0 152.0
	30 DN750	24.00 610	355.0 161.0	24.00 609.6	346.0 157.0
	32 DN800	24.00 610	363.0 164.7	24.00 609.6	356.0 161.5
40 DN1000	x 20 DN500	24.00 609.6	365.0 165.6	24.00 609.6	316.0 143.3
	22 DN550	24.00 609.6	369.0 167.3	24.00 609.6	326.0 147.8
	24 DN600	24.00 609.6	373.0 169.1	24.00 609.6	337.0 152.8
	26 DN650	24.00 609.6	377.0 171.1	24.00 609.6	346.0 156.9
	28 DN700	24.00 609.6	382.0 173.2	24.00 609.6	357.0 161.9
	30 DN750	24.00 609.6	387.0 175.5	24.00 609.6	367.0 166.4
	32 DN800	24.00 609.6	393.0 178.2	24.00 609.6	378.0 171.4
	36 DN900	24.00 609.6	407.0 184.6	24.00 609.6	399.0 180.9
40 DN1050	x 20 DN500	24.00 609.6	386.0 175.1	24.00 609.6	327.0 148.3
	22 DN550	24.00 609.6	390.0 176.9	24.00 609.6	337.0 152.8
	24 DN600	24.00 609.6	393.0 178.2	24.00 609.6	348.0 157.8
	26 DN650	24.00 609.6	397.0 180.1	24.00 609.6	359.0 162.8
	28 DN700	24.00 609.6	401.0 181.8	24.00 609.6	369.0 167.3
	30 DN750	24.00 609.6	405.0 183.7	24.00 609.6	378.0 171.4
	32 DN800	24.00 609.6	409.0 185.5	24.00 609.6	389.0 176.4
	36 DN900	24.00 609.6	421.0 190.9	24.00 609.6	410.0 185.9
	40 DN1000	24.00 609.6	438.0 198.6	24.00 609.6	432.0 195.9
46 DN1150	x 22 DN550	28.00 711.2	479.0 217.2	28.00 711.2	419.0 190.1
	24 DN600	28.00 711.2	485.0 219.9	28.00 711.2	431.0 195.5
	26 DN650	28.00 711.2	490.0 222.2	28.00 711.2	444.0 201.4
	28 DN700	28.00 711.2	496.0 224.9	28.00 711.2	456.0 206.8
	30 DN750	28.00 711.2	502.0 227.7	28.00 711.2	469.0 212.7
	32 DN800	28.00 711.2	508.0 230.4	28.00 711.2	481.0 218.1
	36 DN900	28.00 711.2	523.0 237.2	28.00 711.2	504.0 228.6
	38 DN950	28.00 711.2	531.0 240.8	28.00 711.2	516.0 234.1
	40 DN1000	28.00 711.2	540.0 244.9	28.00 711.2	529.0 239.9
	42 DN1050	28.00 711.2	550.0 249.4	28.00 711.2	542.0 245.8

[1] Cast fitting available. Contact Victaulic for details.
(sw) = Carbon Steel Segmentally Welded

NOTE

- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

 © 2026 Victaulic Company. All rights reserved.

4.10 DIMENSIONS (CONTINUED)

Concentric/Eccentric Reducer

No. W50 Concentric
No. W51 Eccentric

No. W50

No. W51

Size		No. W50 Concentric Reducer (sw)		No. W51 Eccentric Reducer (sw)	
Nominal inches DN		E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg
48 DN1200	x 24 DN600	28.00 711.2	507.0 229.9	28.00 711.2	444.0 201.4
	26 DN650	28.00 711.2	513.0 232.6	28.00 711.2	456.0 206.8
	28 DN700	28.00 711.2	518.0 234.9	28.00 711.2	467.0 211.8
	30 DN750	28.00 711.2	523.0 237.2	28.00 711.2	481.0 218.1
	32 DN800	28.00 711.2	529.0 239.9	28.00 711.2	494.0 224.1
	36 DN900	28.00 711.2	541.0 245.3	28.00 711.2	516.0 234.1
	38 DN950	28.00 711.2	548.0 248.5	28.00 711.2	529.0 239.9
	40 DN1000	28.00 711.2	557.0 252.6	28.00 711.2	542.0 245.8
	42 DN1050	28.00 711.2	565.0 256.2	28.00 711.2	554.0 251.3
	46 DN1150	28.00 711.2	586.0 265.8	28.00 711.2	579.0 262.6
54 DN1350	x 26 DN650	54.00 1371.6	995.0 451.3	54.00 1371.6	950.0 430.9
	28 DN700	54.00 1371.6	1015.0 460.4	54.00 1371.6	974.0 441.8
	30 DN750	54.00 1371.6	1035.0 469.4	54.00 1371.6	998.0 452.6
	32 DN800	54.00 1371.6	1054.0 478.1	54.00 1371.6	1022.0 463.5
	36 DN900	54.00 1371.6	1095.0 496.6	54.00 1371.6	1070.0 485.3
	38 DN950	54.00 1371.6	1116.0 506.2	54.00 1371.6	1095.0 496.6
	40 DN1000	54.00 1371.6	1137.0 515.7	54.00 1371.6	1119.0 507.5
	42 DN1050	54.00 1371.6	1158.0 525.2	54.00 1371.6	1143.0 518.4
	46 DN1150	54.00 1371.6	1202.0 545.2	54.00 1371.6	1191.0 540.2
	48 DN1200	54.00 1371.6	1224.0 555.2	54.00 1371.6	1215.0 551.1

Size		No. W50 Concentric Reducer (sw)		No. W51 Eccentric Reducer (sw)	
Nominal inches DN		E to E inches mm	Approx. Weight (Each) lb kg	E to E inches mm	Approx. Weight (Each) lb kg
56 DN1400	x 28 DN700	56.00 1422.4	1081.0 490.3	56.00 1422.4	1035.0 469.4
	30 DN750	56.00 1422.4	1101.0 499.4	56.00 1422.4	1060.0 480.8
	32 DN800	56.00 1422.4	1122.0 508.9	56.00 1422.4	1085.0 492.1
	36 DN900	56.00 1422.4	1164.0 527.9	56.00 1422.4	1135.0 514.8
	38 DN950	56.00 1422.4	1185.0 537.5	56.00 1422.4	1160.0 526.1
	40 DN1000	56.00 1422.4	1207.0 547.4	56.00 1422.4	1186.0 537.9
	42 DN1050	56.00 1422.4	1228.0 557.1	56.00 1422.4	1211.0 549.3
	46 DN1150	56.00 1422.4	1273.0 577.8	56.00 1422.4	1261.0 571.9
	48 DN1200	56.00 1422.4	1296.0 587.7	56.00 1422.4	1286.0 583.3
	54 DN1350	56.00 1422.4	1368.0 620.5	56.00 1422.4	1361.0 617.3
60 DN1500	x 30 DN750	60.00 1524.0	1241.0 562.9	60.00 1524.0	1190.0 539.7
	32 DN800	60.00 1524.0	1263.0 572.8	60.00 1524.0	1217.0 552.1
	36 DN900	60.00 1524.0	1307.0 592.8	60.00 1524.0	1270.0 576.1
	38 DN950	60.00 1524.0	1330.0 603.2	60.00 1524.0	1297.0 588.3
	40 DN1000	60.00 1524.0	1353.0 613.7	60.00 1524.0	1324.0 600.5
	42 DN1050	60.00 1524.0	1376.0 624.1	60.00 1524.0	1351.0 612.8
	46 DN1150	60.00 1524.0	1423.0 645.4	60.00 1524.0	1404.0 636.8
	48 DN1200	60.00 1524.0	1447.0 656.3	60.00 1524.0	1431.0 649.1
	54 DN1350	60.00 1524.0	1521.0 689.9	60.00 1524.0	1512.0 685.8
	56 DN1400	60.00 1524.0	1547.0 701.7	60.00 1524.0	1538.0 697.6

[1] Cast fitting available. Contact Victaulic for details.

(sw) = Carbon Steel Segmentally Welded

NOTE

- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

 © 2026 Victaulic Company. All rights reserved.

5.0 PERFORMANCE

Flow Data

(Frictional Resistance)

The chart expresses the frictional resistance of various Victaulic fittings as equivalent feet/meters of straight pipe. Fittings not listed can be estimated from the data given, for example, a 22 ½° elbow is approximately one-half the resistance of a 45° elbow. Values of mid-sizes can be interpolated.

Size		Frictional Resistance- Equivalent					
		Elbows				Tees	
		90° Elbows		45° Elbows			
Nominal inches DN	Actual Outside Diameter inches mm	No. W10 Std. Radius Feet metres	No. W100 1 ½ D Long Radius Feet metres	No. W11 Std. Feet metres	No. W110 1 ½ D Long Radius Feet metres	Branch Feet metres	Run Feet metres
14 DN350	14.000 355.6	24.5 7.5	15.8 4.8	18.5 5.6	11.0 3.4	70.0 21.3	23.0 7.0
16 DN400	16.000 406.4	28.0 8.5	18.0 5.5	21.0 6.4	13.0 4.0	80.0 24.4	27.0 8.2
18 DN450	18.000 457.0	31.0 9.5	20.0 6.1	23.5 7.2	14.0 4.3	90.0 27.4	30.0 9.1
20 DN500	20.000 508.0	34.0 10.4	22.5 6.9	25.5 7.8	16.0 4.9	100.0 30.5	33.0 10.1
24 DN600	24.000 610.0	42.0 12.8	27.0 8.2	29.5 9.0	19.0 5.8	120.0 36.6	40.0 12.2
26 DN650	26.000 660.4	– –	29.3 8.9	– –	20.4 6.2	130.0 39.6	42.7 13.0
28 DN700	28.000 711.2	– –	31.5 9.6	– –	22.0 6.7	140.0 42.7	46.0 14.0
30 DN750	30.000 762.0	– –	33.8 10.3	– –	23.6 7.2	150.0 45.7	49.3 15.0
32 DN800	32.000 812.8	– –	36.0 11.0	– –	25.1 7.7	160.0 48.8	52.6 16.0
36 DN900	36.000 914.4	– –	40.5 12.3	– –	28.3 8.6	180.0 54.8	59.1 18.0
38 DN950	38.000 965.2	– –	42.8 13.1	– –	29.9 9.1	190.0 57.9	62.4 19.0
40 DN1000	40.000 1016.0	– –	45.0 13.7	– –	31.4 9.6	200.0 61.0	65.7 20.0
42 DN1050	42.000 1066.8	– –	47.3 14.4	– –	33.0 10.1	210.0 64.0	69.0 21.0
46 DN1150	46.000 1168.4	– –	51.8 15.8	– –	36.1 11.0	230.0 70.1	75.6 23.0
48 DN1200	48.000 1219.2	– –	54.0 16.5	– –	37.7 11.5	240.0 73.2	78.8 24.0

NOTE

- The flow data listed is based upon the pressure drop of standard wall pipe. Contact Victaulic for data on sizes not shown above.

 © 2026 Victaulic Company. All rights reserved.

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 reference Victaulic publication I-ENDCAP for important end cap installation safety instructions.**
- **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.

⚠ WARNING

- **When grooving pipe for use with AGS products, Victaulic roll grooving tools shall be equipped with AGS roll sets (RW for steel or RWX for stainless steel).**
- **RWX grooving rolls are identified by a silver color and the designation "RWX" on the front of the roll sets.**
- **Victaulic AGS products SHALL NOT be installed on pipe that is prepared with original-type grooving roll sets.**
- **To ensure proper pipe end preparation, refer to publication 25.09 for AGS groove specifications.**

Failure to follow these instructions will cause grooves that are not within Victaulic AGS specifications, resulting in joint failure, serious personal injury, and property damage.

7.0 REFERENCE MATERIALS

02.06: Victaulic Potable Water Approvals ANSI/NSF
05.01: Victaulic Seal Selection Guide
10.01: Victaulic Products for Fire Protection Piping Systems
20.02: Victaulic AGS Rigid Coupling Style W07
20.03: Victaulic AGS Flexible Coupling Style W77
25.09: Victaulic AGS Roll Groove Data
29.01: Victaulic Terms and Conditions/Warranty
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
No statement concerning the use of any material, product, service, or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Victaulic or any of its affiliates, or as a recommendation for the use of such material, product, service, or design in the infringement of any patent or other intellectual property right. The terms "Patented" or "Patent Pending" refer to design or utility patents or patent applications for articles and/or methods of use in the United States and/or other countries. Victaulic and all other Victaulic marks are the trademarks or registered trademarks of Victaulic Company, and/or its affiliated entities, in the U.S. and/or other countries.

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.

 © 2026 Victaulic Company. All rights reserved.