



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



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.

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.

4.0 DIMENSIONS

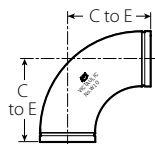
Elbows and Tees

No. W10 90° Elbow

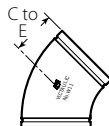
No. W11 45° Elbow

No. W12 22° Elbow

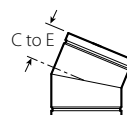
No. W13 11° Elbow



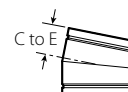
No. W10



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	14.000	14.00	150.8	5.80	63.0	5.00	46.0	3.50	32.0
DN350	355.6	355.6	68.4	147	28.7	127	20.9	89	14.5
	14.843	14.84	157.7	6.15	74.7	–	–	–	–
	377.0	377	71.5	156	33.9	–	–	–	–
16	16.000	16.00	184.3	6.63	93.8	5.00	52.1	4.00	42.0
DN400	406.4	406.4	83.6	168	42.5	127	23.6	102	19.1
	16.772	16.77	201.6	6.95	96.2	–	–	–	–
	426.0	426	91.5	177	43.7	–	–	–	–
18	18.000	18.00	272.3	7.46	129.0	5.50	65.0	4.50	53.2
DN450	457.0	457.2	123.5	189	58.5	140	29.5	114	24.1
	18.898	18.90	279.0	7.83	132.7	–	–	–	–
	480.0	480	126.6	199	60.2	–	–	–	–
20	20.000	20.00	312.0	8.28	165.3	6.00	78.6	5.00	65.0
DN500	508.0	508.0	141.5	210	75.0	152	36.0	127	29.5
24	24.000	24.00	559.8	9.94	264.5	7.00	110.3	6.00	94.5
DN600	610.0	609.6	253.9	252	120.0	178	50.0	152	42.9
26	26.000	–	–	–	–	6.75	122.0	5.00	92.0
DN650	660.4	–	–	–	–	171.5	55.3	127.0	41.7
28	28.000	–	–	–	–	7.00	136.0	5.25	104.0
DN700	711.2	–	–	–	–	177.8	61.6	133.4	47.1
30	30.000	–	–	–	–	7.25	151.0	5.25	112.0
DN750	762.0	–	–	–	–	184.2	68.4	133.4	50.8
32	32.000	–	–	–	–	7.50	167.0	5.50	124.0
DN800	812.8	–	–	–	–	190.5	75.7	139.7	56.2
36	36.000	–	–	–	–	7.75	194.0	5.50	140.0
DN900	914.4	–	–	–	–	196.9	87.9	139.7	63.5
40	40.000	–	–	–	–	8.75	322.0	6.25	234.0
DN1000	1016.0	–	–	–	–	222.3	146.1	158.8	106.1
42	42.000	–	–	–	–	9.00	348.0	6.25	246.0
DN1050	1066.8	–	–	–	–	228.6	157.8	158.8	111.5
46	46.000	–	–	–	–	9.25	392.0	6.50	280.0
DN1150	1168.4	–	–	–	–	235.0	177.8	165.1	127.1
48	48.000	–	–	–	–	9.50	420.0	6.80	303.0
DN1200	1219.2	–	–	–	–	241.3	190.5	172.7	137.4
54	54.000	–	–	–	–	12.00	592.0	8.75	437.0
DN1350	1371.6	–	–	–	–	304.8	268.5	222.3	198.2
56	56.000	–	–	–	–	12.25	627.0	9.00	465.0
DN1400	1422.4	–	–	–	–	311.2	284.4	228.6	210.1
60	60.000	–	–	–	–	12.75	698.0	9.25	512.0
DN1500	1524.0	–	–	–	–	323.9	316.6	235.0	232.2

(sw) = Carbon Steel Segmentally Welded

NOTE

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

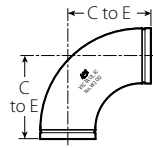
4.1 DIMENSIONS

Elbows and Tees

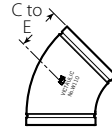
No. W100 90° Long Radius

No. W110 45° Long Radius

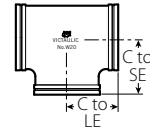
No. W20 Tee



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

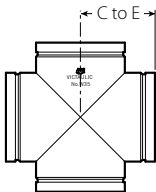
- All fittings are ductile iron unless otherwise noted with an (sw)

4.2 DIMENSIONS

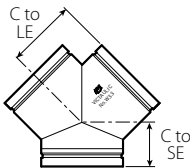
Crosses and Wyes

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

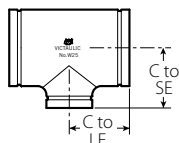
NOTE

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

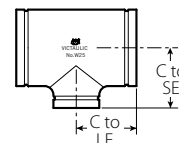
4.3 DIMENSIONS

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	
14 DN350	x	14 DN350	11.00 279	6 DN150	101.4 46.0
		8 DN200		9.38 238	102.5 46.5
		10 DN250		9.75 248	105.1 47.7
		12 DN300		10.12 257	108.1 49.0
		12 DN300		10.62 270	108.1 49.0
16 DN400	x	16 DN400	12.00 305	6 DN150	126.2 57.2
		8 DN200		10.38 264	127.4 57.8
		10 DN250		10.75 273	129.8 58.9
		12 DN300		11.12 282	132.5 60.1
		14 DN350		11.62 295	134.6 61.1
18 DN450	x	18 DN450	13.50 343	6 DN150	160.0 72.6
		8 DN200		11.38 289	161.0 73.0
		10 DN250		11.75 298	163.1 74.0
		12 DN300		12.12 308	165.6 75.1
		14 DN350		12.62 321	167.6 76.0
		16 DN400		13.00 330	168.2 76.3
		16 DN400		13.50 343	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	
20 DN500	x	20 DN500	15.00 381	6 DN150	197.0 89.5
		8 DN200		12.38 314	198.5 90.0
		10 DN250		12.75 324	200.5 90.9
		12 DN300		13.12 333	202.9 92.0
		12 DN300		13.62 346	202.9 92.0
		14 ¹ DN350		14.00 356	204.7 92.9
		16 ¹ DN400		14.00 356	205.0 93.0
		18 DN450		14.50 368	208.4 94.5
		18 DN450		15.00 381	208.4 94.5
		20 DN500		15.00 381	208.4 94.5
24 DN600	x	24 DN600	17.00 432	6 DN150	260.9 122.0
		8 DN200		14.38 365	270.0 123.0
		10 DN250		14.75 375	271.7 123.2
		12 DN300		15.12 384	273.8 124.2
		14 DN350		15.62 397	275.4 125.0
		16 DN400		16.00 406	275.4 125.0
		16 DN400		16.00 406	275.3 125.0
		18 DN450		16.50 419	278.1 127.1
		20 DN500		17.00 432	282.1 128.0
		20 DN500		17.00 432	282.1 128.0

¹ Cast fitting available. Contact Victaulic for details.

(sw) = Carbon Steel Segmentally Welded

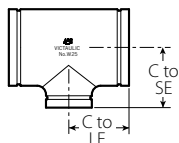
NOTE

- 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)

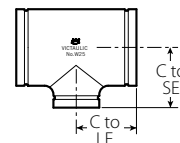
4.3 DIMENSIONS (CONTINUED)

Reducing Tee

No. W25 Reducing Tee



No. W25



No. W25

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

(sw) = Carbon Steel Segmentally Welded

NOTE

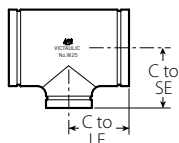
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

Size			No. W25 Reducing Tee (sw)		Approx. Weight Each
Nominal inches			C to LE inches mm	C to SE inches mm	
32	x	16	23.50	20.00	510.0
DN800	x	DN400	596.9	508.0	231.3
		18	23.50	20.50	512.0
		DN450	596.9	520.7	232.2
		20	23.50	21.00	515.0
		DN500	596.9	533.4	233.6
		22	23.50	21.50	518.0
		DN550	596.9	546.1	235.0
		24	23.50	22.00	522.0
		DN600	596.9	558.8	236.8
		26	23.50	22.50	527.0
		DN650	596.9	571.5	239.1
		28	23.50	22.50	527.0
		DN700	596.9	571.5	239.1
		30	23.50	23.00	533.0
		DN750	596.9	584.2	241.8
36	x	18	26.50	22.50	648.0
DN900	x	DN450	673.1	571.5	293.9
		20	26.50	23.00	650.0
		DN500	673.1	584.2	294.8
		22	26.50	23.50	653.0
		DN550	673.1	596.9	296.2
		24	26.50	24.00	656.0
		DN600	673.1	609.6	297.6
		26	26.50	24.50	661.0
		DN650	673.1	622.3	299.8
		28	26.50	24.50	661.0
		DN700	673.1	622.3	299.8
		30	26.50	25.00	666.0
		DN750	673.1	635.0	302.1
		32	26.50	25.50	671.0
		DN800	673.1	647.7	304.4
38	x	18	28.00	23.50	722.0
DN950	x	DN450	711.2	596.9	327.5
		20	28.00	24.00	724.0
		DN500	711.2	609.6	328.4
		22	28.00	24.50	727.0
		DN550	711.2	622.3	329.8
		24	28.00	25.00	730.0
		DN600	711.2	635.0	331.1
		26	28.00	25.50	734.0
		DN650	711.2	647.7	332.9
		28	28.00	25.50	734.0
		DN700	711.2	647.7	332.9
		30	28.00	26.50	743.0
		DN750	711.2	673.1	337.0
		32	28.00	27.00	749.0
		DN800	711.2	685.8	339.8
		36	28.00	28.00	1003.0
		DN900	711.2	711.2	455.0

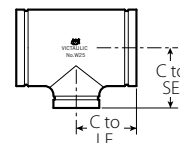
4.3 DIMENSIONS (CONTINUED)

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	
40 DN1000	x	40 DN1000	29.50 749.3	20 DN500	802.0 363.8
		22 DN550		25.00 635.0	804.0 364.7
		24 DN600		25.50 647.7	808.0 366.5
		26 DN650		26.00 660.4	811.0 367.9
		28 DN700		26.50 673.1	811.0 367.9
		30 DN750		26.50 673.1	820.0 371.9
		32 DN800		27.50 698.5	826.0 374.7
		36 DN900		28.00 711.2	1102.0 499.9
		38 DN950		29.00 736.6	1113.0 504.9
42 DN1050	x	42 DN1050	30.00 762.0	20 DN500	856.0 388.3
		22 DN550		26.00 660.4	854.0 387.3
		24 DN600		26.00 660.4	853.0 386.9
		26 DN650		26.00 660.4	865.0 392.4
		28 DN700		27.50 698.5	864.0 391.9
		30 DN750		27.50 698.5	868.0 393.7
		32 DN800		28.00 711.2	1140.0 517.1
		36 DN900		28.00 711.2	1139.0 516.7
		38 DN950		28.00 711.2	1139.0 516.7
		40 DN1000		28.00 711.2	1139.0 516.7

(sw) = Carbon Steel Segmentally Welded

NOTE

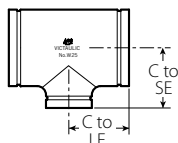
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

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

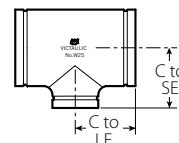
4.3 DIMENSIONS (CONTINUED)

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	
54 DN1350	x	54 DN1350	41.00 1041.4	41.00 1041.4	2805.0 1272.3
		26 DN650			2805.0 1272.3
		28 DN700			2821.0 1279.6
		30 v750			2835.0 1285.9
		32 DN800			2853.0 1294.1
		36 DN900			2879.0 1305.9
		38 DN950			2906.0 1318.1
		40 DN1000			2932.0 1329.9
		42 DN1050			2985.0 1354.1
		46 DN1150			3012.0 1366.2
		48 DN1200			
56 DN1400	x	56 DN1400	42.00 1066.8	42.00 1066.8	3059.0 1387.5
		28 DN700			3075.0 1394.8
		30 DN750			3087.0 1400.2
		32 DN800			3111.0 1411.1
		36 DN900			3137.0 1422.9
		38 DN950			3164.0 1434.2
		40 v1000			3190.0 1447.1
		42 DN1050			3243.0 1471.1
		46 DN1150			3269.0 1482.8
		48 DN1200			3349.0 1519.1
		54 DN1350			

(sw) = Carbon Steel Segmentally Welded

NOTE

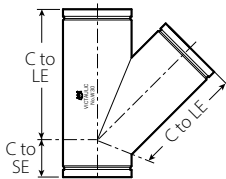
- Outlets 12"/DN300 and smaller will be provided with original Victaulic roll or cut grooves, suitable for use with original Victaulic grooved couplings in that size range.
- All fittings are ductile iron unless otherwise noted with an (sw)

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

4.4 DIMENSIONS

45° Lateral

No. W30



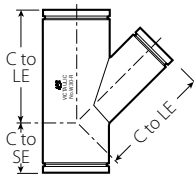
No. W30

Size		No. W30 45° Lateral (sw)		Approx. Weight Each lb kg
Nominal inches DN	Actual Outside Diameter inches mm	C to LE inches mm	C to SE inches mm	
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 lb kg	
Nominal inches DN				C to LE inches mm	C to SE inches mm		
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	29.00 737	8.00 203	226.4 102.7
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	32.00 813	8.50 216	274.8 124.6
18 DN450	x	18 DN450	x	6 DN150	32.00 813	8.50 216	274.8 124.6
				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	35.00 889	9.00 229	362.1 164.3
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	40.00 1016	10.00 254	494.9 224.5
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	517.7 234.8

(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)

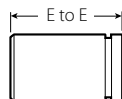
4.6 DIMENSIONS

Adapter Nipple

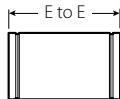
No. W42 AGS Grv. x Bev.

No. W43 AGS Grv. x AGS Grv.

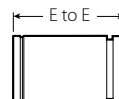
No. W49 AGS Grv. x OGS Grv.



No. W42



No. W43



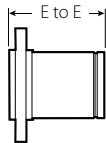
No. W49

Size		No. 42 Adapter Nipple		No. 43 Adapter Nipple		No. 49 Adapter Nipple	
Nominal inches DN	Actual Outside Diameter 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	– –	– –

4.7 DIMENSIONS

Flanged Adapter Nipple

No. W41 PN10/PN16 Flange



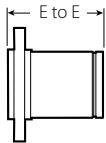
No. W41

No. W41 Flanged Adapter Nipple (s)		
Size		
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

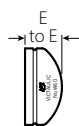
Size		No. W45R Flanged Adapter Nipple (s)	
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	Approx. Weight Each lb kg
14 DN350	14.000 355.6	8.00 203	122.0 55.3
16 DN400	16.000 406.4	8.00 203	136.0 61.7
18 DN450	18.000 457.0	8.00 203	168.0 76.2
20 DN500	20.000 508.0	8.00 203	208.0 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

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

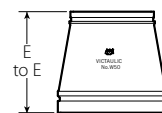
- All fittings are ductile iron unless otherwise noted with an (sw)

4.10 DIMENSIONS

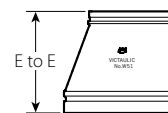
Concentric/Eccentric Reducer

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	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	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	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	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	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	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	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	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	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	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	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

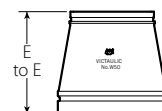
- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

4.10 DIMENSIONS (CONTINUED)

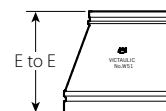
Concentric/Eccentric Reducer

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	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	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	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

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
40 DN1050	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	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

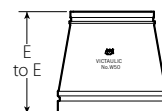
- Outlets 12"/DN300 and smaller will be provided with standard Victaulic roll or cut grooves, suitable for use with standard Victaulic grooved couplings in that size range.

4.10 DIMENSIONS (CONTINUED)

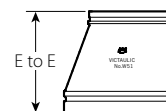
Concentric/Eccentric Reducer

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.

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					
Nominal inches DN	Actual Outside Diameter inches mm	Elbows				Tees	
		90° Elbows		45° Elbows			
		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	14.000	24.5	15.8	18.5	11.0	70.0	23.0
DN350	355.6	7.5	4.8	5.6	3.4	21.3	7.0
16	16.000	28.0	18.0	21.0	13.0	80.0	27.0
DN400	406.4	8.5	5.5	6.4	4.0	24.4	8.2
18	18.000	31.0	20.0	23.5	14.0	90.0	30.0
DN450	457.0	9.5	6.1	7.2	4.3	27.4	9.1
20	20.000	34.0	22.5	25.5	16.0	100.0	33.0
DN500	508.0	10.4	6.9	7.8	4.9	30.5	10.1
24	24.000	42.0	27.0	29.5	19.0	120.0	40.0
DN600	610.0	12.8	8.2	9.0	5.8	36.6	12.2
26	26.000	–	29.3	–	20.4	130.0	42.7
DN650	660.4	–	8.9	–	6.2	39.6	13.0
28	28.000	–	31.5	–	22.0	140.0	46.0
DN700	711.2	–	9.6	–	6.7	42.7	14.0
30	30.000	–	33.8	–	23.6	150.0	49.3
DN750	762.0	–	10.3	–	7.2	45.7	15.0
32	32.000	–	36.0	–	25.1	160.0	52.6
DN800	812.8	–	11.0	–	7.7	48.8	16.0
36	36.000	–	40.5	–	28.3	180.0	59.1
DN900	914.4	–	12.3	–	8.6	54.8	18.0
38	38.000	–	42.8	–	29.9	190.0	62.4
DN950	965.2	–	13.1	–	9.1	57.9	19.0
40	40.000	–	45.0	–	31.4	200.0	65.7
DN1000	1016.0	–	13.7	–	9.6	61.0	20.0
42	42.000	–	47.3	–	33.0	210.0	69.0
DN1050	1066.8	–	14.4	–	10.1	64.0	21.0
46	46.000	–	51.8	–	36.1	230.0	75.6
DN1150	1168.4	–	15.8	–	11.0	70.1	23.0
48	48.000	–	54.0	–	37.7	240.0	78.8
DN1200	1219.2	–	16.5	–	11.5	73.2	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.

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.
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