



AGS™

1.0 PRODUCT DESCRIPTION

Available Sizes:

- 14 – 60"/DN350 – DN1500

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 AGS grooves
- Exclusively for use with Victaulic couplings, valves, accessories and pipe which feature ends formed with the Victaulic AGS groove profile

2.0 CERTIFICATION/LISTINGS



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

3.0 SPECIFICATIONS – MATERIAL

Cast Fittings: 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.

Segmentally Welded Fittings: Fabricated from carbon steel pipe conforming to ASTM A53, Type E or S, Grade 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

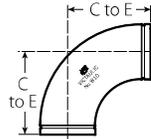
Elbows and Tees

No. W10 90° Elbow

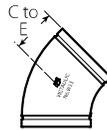
No. W11 45° Elbow
(Ductile Iron)¹

No. W12 22° Elbow

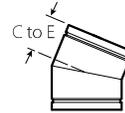
No. W13 11° Elbow
(Segmentally Welded Steel)



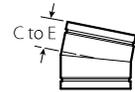
No. W10



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

¹ Ductile iron except those marked (sw) which are segmentally welded steel.