

**WEHOGAS
 ASTM D1513 PIPE DIMENSIONS**
DATA SHEET
Table C4: ASTM D2513 NPS Pipe Dimensions

	DR	OD Max (mm)	OD Min (mm)	OD Avg (mm)	ID Avg (mm)	Max Wall (mm)	Min Wall (mm)	Avg Wall (mm)	HDPE Weight (lb/ft) avg	HDPE Weight (lb/ft) avg
1/2 NPS	9.3	21.44	21.23	21.34	16.48	2.57	2.29	2.43	0.09	0.09
	11.0	21.44	21.23	21.34	17.25	2.16	1.93	2.04	0.08	0.08
	13.6	21.44	21.23	21.34	18.01	1.75	1.57	1.66	0.07	0.07
3/4 NPS	9.3	26.77	26.57	26.67	20.57	3.23	2.87	3.05	0.15	0.14
	11.1	26.77	26.57	26.67	21.56	2.69	2.41	2.55	0.12	0.12
1 NPS	11.7	26.77	26.57	26.67	21.82	2.57	2.29	2.43	0.12	0.12
	9.4	33.53	33.27	33.40	25.86	3.99	3.56	3.77	0.23	0.22
	9.9	33.53	33.27	33.40	26.24	3.78	3.38	3.58	0.22	0.21
	11.1	33.53	33.27	33.40	26.95	3.40	3.05	3.23	0.20	0.19
	13.6	33.53	33.27	33.40	28.17	2.77	2.46	2.62	0.16	0.16
1 1/4 NPS	14.6	33.53	33.27	33.40	28.55	2.57	2.29	2.43	0.15	0.15
	6.0	42.29	42.04	42.16	27.25	7.87	7.04	7.45	0.52	0.52
	9.3	42.29	42.04	42.16	32.59	5.05	4.52	4.79	0.36	0.36
	10.0	42.29	42.04	42.16	33.22	4.72	4.22	4.47	0.34	0.34
	11.0	42.29	42.04	42.16	34.04	4.29	3.84	4.06	0.31	0.31
	11.9	42.29	42.04	42.16	34.62	3.99	3.56	3.77	0.29	0.29
	13.5	42.29	42.04	42.16	35.53	3.51	3.12	3.31	0.26	0.26
1 1/2 NPS	16.9	42.29	42.04	42.16	36.88	2.79	2.49	2.64	0.21	0.21
	18.4	42.29	42.04	42.16	37.31	2.57	2.29	2.43	0.20	0.19
	11.0	48.41	48.11	48.26	38.94	4.93	4.39	4.66	0.41	0.41
	13.1	48.41	48.11	48.26	40.46	4.11	3.68	3.90	0.35	0.35
	13.5	48.41	48.11	48.26	40.67	4.01	3.58	3.80	0.34	0.34
2 NPS	17.0	48.41	48.11	48.26	42.24	3.18	2.84	3.01	0.28	0.27
	21.1	48.41	48.11	48.26	43.41	2.57	2.29	2.43	0.23	0.22
	9.3	60.48	60.17	60.33	46.58	7.26	6.48	6.87	0.74	0.73
	11.0	60.48	60.17	60.33	48.69	6.15	5.49	5.82	0.64	0.63
	13.5	60.48	60.17	60.33	50.85	5.00	4.47	4.74	0.53	0.53
	15.4	60.48	60.17	60.33	52.04	4.37	3.91	4.14	0.47	0.46
2 1/2 NPS	17.0	60.48	60.17	60.33	52.78	3.99	3.56	3.77	0.43	0.43
	21.0	60.48	60.17	60.33	54.23	3.23	2.87	3.05	0.35	0.35
	11.0	73.20	72.85	73.03	58.98	7.42	6.63	7.02	0.94	0.93
	13.5	73.20	72.85	73.03	61.54	6.07	5.41	5.74	0.78	0.77
	17.0	73.20	72.85	73.03	63.93	4.80	4.29	4.55	0.63	0.62
3 NPS	21.0	73.20	72.85	73.03	65.66	3.89	3.48	3.68	0.52	0.51
	9.3	89.10	88.70	88.90	68.71	10.67	9.53	10.10	1.61	1.59
	11.0	89.10	88.70	88.90	71.78	9.04	8.08	8.56	1.39	1.37
	11.5	89.10	88.70	88.90	72.54	8.64	7.72	8.18	1.34	1.32
	13.5	89.10	88.70	88.90	74.96	7.37	6.58	6.97	1.16	1.14
	16.2	89.10	88.70	88.90	77.27	6.15	5.49	5.82	0.98	0.96
3 1/2 NPS	17.0	89.10	88.70	88.90	77.80	5.87	5.23	5.55	0.94	0.92
	21.0	89.10	88.70	88.90	79.91	4.75	4.24	4.50	0.77	0.76
	11.0	101.80	101.40	101.60	82.04	10.34	9.22	9.78	1.82	1.79
	13.5	101.80	101.40	101.60	85.65	8.43	7.52	7.98	1.51	1.49
	17.0	101.80	101.40	101.60	88.90	6.71	5.99	6.35	1.23	1.21
4 NPS	21.0	101.80	101.40	101.60	91.36	5.41	4.83	5.12	1.00	0.99
	9.3	114.53	114.07	114.30	88.34	13.72	12.24	12.98	2.66	2.63
	11.0	114.53	114.07	114.30	92.28	11.63	10.39	11.01	2.30	2.27
	11.5	114.53	114.07	114.30	93.24	11.13	9.93	10.53	2.21	2.18
	13.5	114.53	114.07	114.30	96.37	9.47	8.46	8.97	1.91	1.89
	17.1	114.53	114.07	114.30	100.08	7.52	6.71	7.11	1.54	1.52
	19.0	114.53	114.07	114.30	101.55	6.73	6.02	6.38	1.39	1.37
5 NPS	21.0	114.53	114.07	114.30	102.77	6.10	5.44	5.77	1.27	1.25
	11.0	141.55	141.05	141.30	114.05	14.40	12.85	13.63	3.52	3.47
	13.5	141.55	141.05	141.30	119.05	11.76	10.49	11.13	2.93	2.89
	17.0	141.55	141.05	141.30	123.65	9.32	8.33	8.83	2.37	2.33
	21.0	141.55	141.05	141.30	127.03	7.54	6.73	7.14	1.94	1.91
	21.6	141.55	141.05	141.30	127.41	7.34	6.55	6.95	1.89	1.86

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6 NPS	11.0	168.55	168.00	168.28	135.86	17.12	15.29	16.21	4.99	4.92
	11.5	168.55	168.00	168.28	137.26	16.38	14.63	15.51	4.80	4.73
	13.5	168.55	168.00	168.28	141.83	13.97	12.47	13.22	4.15	4.09
	17.0	168.55	168.00	168.28	147.27	11.10	9.91	10.50	3.36	3.31
	21.0	168.55	168.00	168.28	151.26	8.99	8.03	8.51	2.75	2.71
	23.7	168.55	168.00	168.28	153.19	7.98	7.11	7.54	2.46	2.42
	26.0	168.55	168.00	168.28	154.53	7.26	6.48	6.87	2.25	2.21
8 NPS	32.5	168.55	168.00	168.28	157.30	5.79	5.18	5.49	1.81	1.78
	11.0	219.41	218.74	219.08	176.81	22.33	19.94	21.13	8.47	8.35
	11.5	219.41	218.74	219.08	178.69	21.34	19.05	20.19	8.14	8.02
	13.5	219.41	218.74	219.08	184.66	18.19	16.23	17.21	7.04	6.93
	17.0	219.41	218.74	219.08	191.72	14.45	12.90	13.68	5.69	5.61
	21.0	219.41	218.74	219.08	197.00	11.66	10.41	11.04	4.65	4.58
	26.0	219.41	218.74	219.08	201.19	9.45	8.43	8.94	3.81	3.75
10 NPS	32.5	219.41	218.74	219.08	204.80	7.54	6.73	7.14	3.06	3.02
	11.0	273.43	272.67	273.05	220.40	27.81	24.84	26.33	13.16	12.97
	11.5	273.43	272.67	273.05	222.71	26.59	23.75	25.17	12.64	12.45
	13.5	273.43	272.67	273.05	230.12	22.68	20.24	21.46	10.94	10.78
	17.0	273.43	272.67	273.05	238.96	18.01	16.08	17.04	8.84	8.71
	21.0	273.43	272.67	273.05	245.54	14.53	12.98	13.75	7.22	7.12
	26.0	273.43	272.67	273.05	250.80	11.76	10.49	11.13	5.90	5.82
12 NPS	32.5	273.43	272.67	273.05	255.22	9.42	8.41	8.92	4.77	4.70
	11.0	324.28	323.42	323.85	261.39	32.99	29.46	31.23	18.51	18.24
	11.5	324.28	323.42	323.85	264.13	31.55	28.17	29.86	17.78	17.52
	13.5	324.28	323.42	323.85	272.97	26.87	24.00	25.44	15.38	15.15
	17.0	324.28	323.42	323.85	283.46	21.34	19.05	20.19	12.42	12.24
	21.0	324.28	323.42	323.85	291.11	17.30	15.44	16.37	10.20	10.05
	26.0	324.28	323.42	323.85	297.46	13.94	12.45	13.20	8.30	8.18
14 NPS	32.5	324.28	323.42	323.85	302.74	11.15	9.96	10.55	6.70	6.60
	11	357.20	354.00	355.60	287.05	36.22	32.33	34.28	22.31	21.99
	11.5	357.20	354.00	355.60	290.07	34.62	30.91	32.77	21.43	21.12
	13.5	357.20	354.00	355.60	299.77	29.49	26.34	27.91	18.53	18.26
	17	357.20	354.00	355.60	311.23	23.44	20.93	22.19	14.98	14.77
	21	357.20	354.00	355.60	319.68	18.97	16.94	17.96	12.28	12.10
	26	357.20	354.00	355.60	326.62	15.32	13.67	14.49	10.01	9.87
32.5	357.20	354.00	355.60	332.38	12.27	10.95	11.61	8.09	7.97	

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16 NPS	11	408.23	404.57	406.40	328.04	41.40	36.96	39.18	29.14	28.72
	11.5	408.23	404.57	406.40	331.50	39.57	35.33	37.45	27.99	27.58
	13.5	408.23	404.57	406.40	342.60	33.71	30.10	31.90	24.20	23.85
	17	408.23	404.57	406.40	355.73	26.77	23.90	25.34	19.56	19.27
	21	408.23	404.57	406.40	365.38	21.67	19.35	20.51	16.03	15.80
	26	408.23	404.57	406.40	373.28	17.50	15.62	16.56	13.08	12.89
	32.5	408.23	404.57	406.40	379.91	14.00	12.50	13.25	10.55	10.40
18 NPS	11	459.26	455.14	457.20	369.11	46.53	41.55	44.04	36.86	36.32
	11.5	459.26	455.14	457.20	372.92	44.53	39.75	42.14	35.43	34.91
	13.5	459.26	455.14	457.20	385.42	37.92	33.86	35.89	30.63	30.18
	17	459.26	455.14	457.20	400.18	30.12	26.90	28.51	24.76	24.40
	21	459.26	455.14	457.20	411.05	24.38	21.77	23.08	20.29	20.00
	26	459.26	455.14	457.20	419.94	19.69	17.58	18.63	16.55	16.31
	32.5	459.26	455.14	457.20	427.38	15.75	14.07	14.91	13.36	13.16
20 NPS	11	510.29	505.71	508.00	410.11	51.71	46.18	48.95	45.52	44.85
	11.5	510.29	505.71	508.00	414.35	49.48	44.17	46.82	43.74	43.11
	13.5	510.29	505.71	508.00	428.24	42.14	37.62	39.88	37.82	37.26
	17	510.29	505.71	508.00	444.68	33.45	29.87	31.66	30.55	30.10
	21	510.29	505.71	508.00	456.74	27.08	24.18	25.63	25.04	24.68
	26	510.29	505.71	508.00	466.60	21.87	19.53	20.70	20.43	20.14
	32.5	510.29	505.71	508.00	474.88	17.50	15.62	16.56	16.49	16.25
22 NPS	11	561.31	556.29	558.80	451.10	56.90	50.80	53.85	55.08	54.28
	11.5	561.31	556.29	558.80	455.78	54.43	48.59	51.51	52.93	52.16
	13.5	561.31	556.29	558.80	471.02	46.38	41.40	43.89	45.78	45.11
	17	561.31	556.29	558.80	489.13	36.80	32.87	34.84	36.97	36.44
	21	561.31	556.29	558.80	502.36	29.82	26.62	28.22	30.33	29.89
	26	561.31	556.29	558.80	513.23	24.08	21.49	22.78	24.74	24.38
	32.5	561.31	556.29	558.80	522.35	19.25	17.20	18.22	19.96	19.67
24 NPS	11	612.34	606.86	609.60	492.10	62.08	55.42	58.75	65.56	64.60
	11.5	612.34	606.86	609.60	497.23	59.36	53.01	56.18	62.99	62.07
	13.5	612.34	606.86	609.60	513.87	50.57	45.16	47.87	54.47	53.67
	17	612.34	606.86	609.60	533.58	40.16	35.86	38.01	44.01	43.37
	21	612.34	606.86	609.60	548.06	32.51	29.03	30.77	36.08	35.56
	26	612.34	606.86	609.60	559.89	26.26	23.44	24.85	29.44	29.01
	32.5	612.34	606.86	609.60	569.85	21.01	18.75	19.88	23.74	23.40