

CARBON ALLOYS STEEL PIPE DIMENSION WITH TEST PRESSURES ACCORDING TO ANSI B36.10

For ASTM A 53/A 106/A 333/A 335/Specifications

Nominal Size		Outside Diameter		Wall Thickness		Class	Sched No.	Nominal Weight			Test Pressure Min					
											Butt Welded		Grade A		Grade B	
in	mm	in	mm	in	mm			lb/ft	Kg/ft	Kg/m	psi	Kg/cm2	psi	Kg/cm2	psi	Kg/cm2
1/8	6	0.405	10.3	.068	1.7	std	40	0.24	0.11	0.36	700	49.2	700	49.2	700	49.2
				.095	2.4	xs	80	0.31	0.14	0.47	850	59.8	850	59.8	850	59.8
1/4	8	0.540	13.7	.088	2.24	std	40	0.42	0.19	0.63	700	49.2	700	49.2	700	49.2
				.119	3.02	xs	80	0.54	0.24	0.80	850	59.8	850	59.8	850	59.8
3/8	10	0.675	17.1	.091	2.31	std	40	0.57	0.26	0.84	700	49.2	700	49.2	700	49.2
				.126	3.20	xs	80	0.74	0.34	1.10	850	59.8	850	59.8	850	59.8
1/2	15	0.840	21.3	.109	2.77	std	40	0.85	0.39	1.27	700	49.2	700	49.2	700	49.2
				.147	3.73	xs	80	1.09	0.49	1.62	850	59.8	850	59.8	850	59.8
				.188	4.78	--	160	1.31	0.60	1.95	1000	70.3	1000	70.3	1000	70.3
				.294	7.47	xxs	--	1.71	0.78	2.55	1000	70.3	1000	70.3	1000	70.3
3/4	20	1.050	26.7	.113	2.87	std	40	1.13	0.51	1.69	700	49.2	700	49.2	700	49.2
				.154	3.91	xs	80	1.47	0.67	2.20	850	59.8	850	59.8	850	59.8
				.218	5.56	--	160	1.94	0.88	2.90	1000	70.3	1000	70.3	1000	70.3
				.308	7.82	xxs	--	2.44	1.11	3.63	1000	70.3	1000	70.3	1000	70.3
1	25	1.315	33.4	.133	3.38	std	40	1.68	0.76	2.50	700	49.2	700	49.2	700	49.2
				.179	4.55	xs	80	2.17	0.98	3.23	850	59.8	850	59.8	850	59.8
				.250	6.35	--	160	2.84	1.29	4.23	1000	70.3	1000	70.3	1000	70.3
				.358	9.09	xxs	--	3.66	1.66	5.45	1000	70.3	1000	70.3	1000	70.3
1 1/4	32	1.660	42.2	.140	3.56	std	40	2.27	1.03	3.38	1000	70.3	1000	70.3	1000	70.3
				.191	4.85	xs	80	3.00	1.36	4.47	1300	91.4	1500	105.5	1500	105.5
				.250	6.35	--	160	3.76	1.71	5.60	1400	98.4	1800	126.5	1800	126.5
				.382	9.70	xxs	--	5.21	2.36	7.76	1400	98.4	1800	126.5	1800	126.5
1 1/2	40	1.900	48.3	.145	3.68	std	40	2.72	1.23	4.05	1000	70.3	1000	70.3	1000	70.3
				.200	5.08	xs	80	3.63	1.65	5.41	1300	91.4	1500	105.5	1600	112.5
				.281	7.14	--	160	4.85	2.20	7.24	1400	98.4	1800	126.5	1900	133.6
				.400	10.15	xxs	--	6.41	2.91	9.55	1400	98.4	1800	126.5	1900	133.6
2	50	2.375	60.3	.154	3.91	std	40	3.65	1.66	5.44	1000	70.3	2300	161.7	2500	175.8
				.218	5.54	xs	80	5.02	2.28	7.48	1300	91.4	2500	175.8	2500	175.8
				.344	8.74	--	160	7.46	3.38	11.11	--	--	2500	175.8	2500	175.8
				.436	11.13	xxs	--	9.03	4.10	13.45	1400	98.4	2500	175.8	2500	175.8
2 1/2	65	2.875	73.0	.203	5.16	std	40	5.79	2.63	8.62	1000	70.3	2500	175.8	2500	175.8
				.276	7.01	xs	80	7.66	3.47	11.41	1300	91.4	2500	175.8	2500	175.8
				.375	9.53	--	160	10.01	4.54	14.91	1400	98.4	2500	175.8	2500	175.8
				.552	14.02	xxs	--	18.70	6.21	20.39	1400	98.4	2500	175.8	2500	175.8
3	80	3.500	88.9	.188	4.78	--	--	6.63	3.01	9.87	1000	70.3	--	--	--	--
				.216	5.49	std	40	7.58	3.44	11.29	1000	70.3	2200	154.7	2500	175.8
				.300	7.62	xs	80	10.25	4.65	15.27	1300	91.4	2500	175.8	2500	175.8
				.438	11.13	--	160	14.31	6.489	21.33	--	--	2500	175.8	2500	175.8
3 1/2	90	4.000	101.6	.600	15.24	xxs	--	18.58	8.13	27.67	--	--	2500	175.8	2500	175.8
				.188	4.78	--	--	7.63	3.46	11.35	1200	84.4	--	--	--	--
				.226	5.74	std	40	9.11	4.13	13.57	1200	84.4	2000	140.6	2400	168.7
				.318	8.08	xs	80	12.51	5.67	18.63	1700	119.5	2800	196.8	2800	196.8
4	100	4.500	114.3	.156	3.96	--	--	7.25	3.29	10.79	1000	70.3	--	--	--	--
				.188	4.78	--	--	8.64	3.92	12.86	1200	84.4	--	--	--	--
				.219	5.56	--	--	10.00	4.54	14.88	1200	84.4	--	--	--	--
				.237	6.02	std	40	10.79	4.89	16.07	1200	84.4	1900	133.6	2200	154.7
				.337	8.56	xs	80	14.98	6.79	22.31	1700	119.5	2700	189.8	2800	196.8
				.438	11.13	--	120	18.98	8.61	28.30	--	--	2800	196.8	2800	196.8
				.531	13.49	--	160	22.52	10.21	33.53	--	--	2800	196.8	2800	196.8
				.674	17.12	xxs	--	27.54	12.49	41.02	--	--	2800	196.8	2800	196.8
5	125	5.563	141.3	.258	6.55	std	40	14.62	6.63	21.78	--	--	1700	119.5	1900	133.6
				.375	9.35	xs	80	20.78	9.43	30.95	--	--	2400	168.7	2800	196.8
				.500	12.70	--	120	27.04	12.27	40.28	--	--	2800	196.8	2800	196.8
				.625	15.88	--	160	32.96	14.95	49.09	--	--	2800	196.8	2800	196.8
6	150	6.625	168.3	.750	19.05	xxs	--	38.55	17.49	57.42	--	--	2800	196.8	2800	196.8
				.280	7.11	std	40	18.97	8.60	28.26	--	--	1500	105.5	1800	126.5
				.432	10.97	xs	80	28.57	12.96	42.56	--	--	2300	161.7	2700	189.8
				.562	14.27	--	120	35.42	16.52	54.20	--	--	2800	196.8	2800	196.8
8	200	8.625	219.1	.719	18.26	--	160	45.34	20.57	67.55	--	--	2800	196.8	2800	196.8
				.864	21.95	xxs	--	53.16	24.11	79.18	--	--	2800	196.8	2800	196.8
				.250	6.35	--	20	22.36	10.14	33.31	--	--	1000	70.3	1200	84.4
				.277	7.04	--	30	24.70	11.70	36.79	--	--	1200	84.4	1300	91.4
				.322	8.18	std	40	28.55	12.95	42.53	--	--	1300	91.4	1600	112.5
				.406	10.31	--	60	35.66	16.18	53.09	--	--	1700	119.5	2000	140.6
				.500	12.70	xs	80	43.39	19.68	64.63	--	--	2100	147.6	2400	168.7
				.594	15.09	--	100	50.93	23.10	75.89	--	--	2500	175.8	2800	196.8
8	200	8.625	219.1	.719	18.26	--	120	60.69	27.53	90.43	--	--	2800	196.8	2800	196.8
				.812	20.62	--	140	67.79	30.75	100.93	--	--	2800	196.8	2800	196.8
				.875	22.23	xxs	--	72.42	32.85	107.87	--	--	2800	196.8	2800	196.8
				.906	23.01	--	160	74.71	33.89	111.25	--	--	2800	196.8	2800	196.8
				1.102	28.00	--	--	88.65	59.98	131.95	--	--	2500	196.8	2800	196.8
				1.260	32.00	--	--	95.16	64.38	141.64	--	--	2500	196.8	2800	196.8
				1.417	36.00	--	--	109.21	73.89	162.55	--	--	2500	196.8	2800	196.8
				1.574	40.00	--	--	118.69	80.30	176.60	--	--	2500	196.8	2800	196.8

Nominal Size		Outside Diameter		Wall Thickness		Class	Sched No.	Nominal Weight			Test Pressure Min					
in	mm	in	mm	in	mm			lb/ft	Kg/ft	Kg/m	Butt Welded		Grade A		Grade B	
									psi	Kg/cm2	psi	Kg/cm2	psi	Kg/cm2		
10	250	10.750	273.1	.250	6.35	--	20	28.04	12.72	41.77	--	--	850	59.8	1000	70.3
				.279	7.11	--	--	31.20	14.15	46.64	--	--	950	66.8	1100	77.3
				.307	7.80	--	30	34.24	15.53	51.00	--	--	1000	70.3	1200	84.4
				.365	9.27	std	40	40.48	18.36	60.29	--	--	1200	84.4	1400	98.4
				.500	12.70	xs	60	54.74	24.83	81.54	--	--	1700	119.5	2000	140.6
				.594	15.09	--	80	64.40	29.21	95.97	--	--	2000	140.6	2300	161.7
				.719	18.26	--	100	77.00	34.93	114.70	--	--	2400	168.7	2800	196.8
				.844	21.44	--	120	89.27	40.49	133.00	--	--	2800	196.8	2800	196.8
				1.00	25.40	xxs	140	104.13	47.23	155.10	--	--	2800	196.8	2800	196.8
				1.125	28.58	--	160	115.65	52.46	172.25	--	--	2800	196.8	2800	196.8
	32.00	--	--	127.75	86.45	190.26	--	--	2800	196.8	2800	196.8				
	40.00	--	--	154.38	104.47	229.93	--	--	2800	196.8	2800	196.8				
12	300	12.750	323.8	.250	6.35	--	20	33.28	15.14	49.72	--	--	700	49.2	800	56.2
				.330	8.38	--	30	43.77	19.85	65.20	--	--	950	66.8	1100	77.3
				.375	9.53	std	--	49.56	22.48	73.82	--	--	1100	77.3	1200	84.4
				.406	10.31	--	40	53.56	24.29	79.72	--	--	1100	77.3	1300	91.4
				.500	12.70	xs	--	65.42	29.67	97.44	--	--	1400	98.4	1600	112.5
				.562	14.27	--	60	73.22	33.21	108.96	--	--	1600	112.5	1900	133.6
				.668	17.48	--	80	88.57	40.17	132.01	--	--	1900	133.6	2300	161.7
				.844	21.44	--	100	107.29	48.67	159.85	--	--	2400	168.7	2800	196.8
				1.000	25.40	xxs	120	125.49	56.92	186.92	--	--	2800	196.8	2800	196.8
				1.125	28.58	--	140	139.68	63.36	208.04	--	--	2800	196.8	2800	196.8
	33.32	--	160	160.33	72.72	238.72	--	--	2800	196.8	2800	196.8				
	40.00	--	--	188.04	125.25	279.94	--	--	2800	196.8	2800	196.8				
14	350	14.000	355.6	.250	6.35	--	10	36.71	16.65	54.68	--	--	650	45.7	750	52.7
				.312	7.92	--	20	45.68	20.72	67.94	--	--	800	56.2	950	66.8
				.375	9.53	std	30	54.57	24.75	81.28	--	--	950	66.8	1100	77.3
				.438	11.13	--	40	63.37	28.74	94.49	--	--	1100	77.3	1300	91.4
				.500	12.70	xs	--	72.09	32.70	107.38	--	--	1300	91.4	1300	91.4
				.594	15.09	--	60	85.01	38.56	126.68	--	--	1500	105.5	1500	105.5
				.750	19.05	--	80	106.13	48.14	158.08	--	--	1900	133.6	2800	196.8
				.938	23.82	--	100	130.79	59.33	194.90	--	--	2400	168.7	2800	196.8
				1.094	27.79	--	120	150.76	68.38	224.60	--	--	2800	196.8	2800	196.8
				1.250	31.75	--	140	170.22	77.21	253.53	--	--	2800	196.8	2800	196.8
	35.71	--	160	189.15	85.80	281.68	--	--	2800	196.8	2800	196.8				
	40.00	--	--	209.11	141.50	311.31	--	--	2800	196.8	2800	196.8				
16	400	16.000	406.4	.250	6.35	--	10	42.05	19.07	62.63	--	--	550	38.7	650	45.7
				.312	7.92	--	20	52.36	32.75	77.86	--	--	700	49.2	800	56.2
				.375	9.53	std	30	62.58	28.39	93.21	--	--	850	59.8	1000	70.3
				.500	12.70	xs	40	82.77	37.54	123.29	--	--	1100	77.3	1300	91.4
				.656	16.66	--	60	107.54	48.78	160.12	--	--	1500	105.5	1700	119.5
				.844	21.44	--	80	136.53	61.95	203.48	--	--	1900	133.6	2200	154.7
				1.031	26.19	--	100	164.86	74.48	245.50	--	--	2300	161.7	2700	189.8
				1.219	30.96	--	120	192.40	87.27	286.62	--	--	2700	189.8	2800	196.8
				1.438	36.53	--	140	223.57	101.41	333.11	--	--	2800	196.8	2800	196.8
					40.49	--	160	245.22	111.23	365.39	--	--	2800	196.8	2800	196.8
18	450	18.000	457.20	.250	6.35	--	10	47.39	21.49	70.59	--	--	550	38.7	650	45.7
				.312	7.92	--	20	59.03	26.76	87.79	--	--	650	45.7	800	56.2
				.375	9.53	std	--	70.59	32.00	105.14	--	--	750	52.7	850	59.8
				.437	11.13	--	30	82.06	37.00	122.36	--	--	850	59.8	1000	70.3
				.500	12.70	xs	--	92.45	42.37	139.19	--	--	1000	70.3	1200	84.4
				.562	14.20	--	40	104.75	47.55	155.91	--	--	1100	77.3	1300	91.4
				.750	19.05	--	60	138.17	62.79	205.80	--	--	1500	105.5	1800	126.6
				.937	23.83	--	80	170.75	77.42	254.59	--	--	1800	126.5	2300	161.7
				1.156	29.36	--	100	207.96	94.48	309.76	--	--	2300	161.7	2800	196.8
				1.375	34.93	--	120	244.14	110.7	363.65	--	--	2700	189.8	2800	196.8
	39.67	--	140	274.73	124.4	408.45	--	--	2800	196.8	2800	196.8				
	45.24	--	160	308.51	139.9	459.51	--	--	2700	189.8	2800	196.8				
20	500	20.000	508.00	.250	6.35	--	10	52.73	23.93	78.54	--	--	450	31.6	600	42.2
				.375	9.53	std	20	78.60	35.66	117.07	--	--	650	45.7	800	56.2
				.500	12.70	xs	30	104.13	47.24	155.10	--	--	900	63.3	1000	70.3
				.593	15.09	--	40	122.91	55.78	183.37	--	--	1050	73.8	1200	84.4
				.812	20.62	--	60	166.40	75.59	247.85	--	--	1400	98.4	1700	119.5
				1.031	26.2	--	80	208.87	94.79	311.29	--	--	1800	126.5	2000	140.6
				1.281	32.5	--	100	256.10	116.2	381.09	--	--	2300	161.7	2800	196.8
				1.500	38.0	--	120	296.37	134.4	440.43	--	--	2700	189.8	2800	196.8
				1.750	44.4	--	140	341.10	154.8	507.60	--	--	2800	196.8	2800	196.8
					50.0	--	160	379.01	171.9	564.71	--	--	2800	196.8	2800	196.8
22	550	22.000	558.80	.250	6.35	--	10	57.93	26.33	86.50	--	--	400	28.1	500	35.2
				.375	9.53	std	20	86.50	39.32	129.01	--	--	600	42.2	700	49.2
				.500	12.70	xs	30	114.66	52.12	171.01	--	--	800	56.2	900	63.3
				.875	22.2	--	60	197.14	89.61	294.00	--	--	1400	98.4	1500	105.5
				1.126	28.6	--	80	250.14	113.7	373.00	--	--	1800	126.5	2000	140.6
				1.374	34.9	--	100	302.50	137.5	451.00	--	--	2200	154.7	2600	182.8
				1.626	41.3	--	120	352.66	160.3	526.00	--	--	2600	182.8	2800	196.8
				1.874	47.6	--	140	402.38	182.9	600.00	--	--	2800	196.8	2800	196.8
					54.0	--	160	449.90	204.5	671.00	--	--	2800	196.8	2800	196.8
				24	600	24.000	609.60	.250	6.35	--	10	63.41	28.77	94.45	--	--
.375	9.53	std	20					94.62	42.98	140.94	--	--	550	38.7	700	49.2
.500	12.70	xs	--					125.49	57.00	186.92	--	--	700	49.2	800	56.2
.552	14.27	--	30					140.80	64.00	209.54	--	--	800	56.2	1000	70.3
.674	17.48	--	40					171.17	77.72	255.14	--	--	1000	70.3	1200	84.4
.968	24.61	--	60					238.17	108.29	355.02	--	--	1400	98.4	1600	112.5
1.218	31.00	--	80					296.36	134.4	441.0	--	--	1800	126.5	2000	140.6
1.531	38.90	--	100					367.40	166.7	547.0	--	--	2200	154.7	2600	182.8
1.812	46.00	--	120					429.39	194.88	639.0	--	--	2600	182.8	2800	196.8
	59.50	--	160					541.94	246.0	807.0	--	--	2800	196.8	2800	196.8