

ASTM A53 (PLAIN END) LINE PIPES

Nominal Pipe Size	Outside Diameter		Wall Thickness		Schedule No. (Weight Class)	Nominal Weight		Hydrostatic Test Pressure			
								Grade A		Grade B	
	inch	mm	inch	mm		lb/ft	kg/m	psi	kPa	psi	kPa
6	6.625	168.3	0.188	4.78	---	12.92	19.27	1020	7030	1190	8200
			0.219	5.56	---	14.98	22.31	1190	8200	1390	9580
			0.250	6.35	---	17.02	25.36	1360	9380	1580	10890
			0.280	7.11	40 (STD)	18.97	28.26	1520	10480	1780	12270
			0.312	7.92	---	21.04	31.32	1700	11720	1980	13650
			0.344	8.74	---	23.08	34.39	1870	12890	2180	15030
			0.375	9.52	---	25.03	37.28	2040	14070	2380	16410
8	8.625	219.1	0.188	4.78	---	16.94	25.26	780	5380	920	6340
			0.203	5.16	---	18.26	27.22	850	5860	1000	6890
			0.219	5.56	---	19.66	29.28	910	6270	1070	7380
			0.250	6.35	20	22.36	33.31	1040	7170	1220	8410
			0.277	7.04	30	24.70	36.31	1160	8000	1350	9310
			0.312	7.92	---	27.70	41.24	1300	8960	1520	10480
			0.322	8.18	40 (STD)	28.55	42.55	1340	9240	1570	10820
			0.344	8.74	---	30.42	45.34	1440	9930	1680	11580
			0.375	9.52	---	33.04	49.20	1570	10820	1830	12620
			0.406	10.31	60	35.64	53.08	1700	11720	2000	13790
			0.438	11.13	---	38.30	57.08	1830	12620	2130	14690
			0.500	12.70	80 (XS)	43.39	64.64	2090	14410	2430	16750
10	10.750	273.0	0.188	4.78	---	21.21	31.62	630	4340	730	5030
			0.203	5.16	---	22.87	34.08	680	4690	800	5520
			0.219	5.56	---	24.63	36.67	730	5030	860	5930
			0.250	6.35	20	28.04	41.75	840	5790	980	6760
			0.279	7.09	---	31.20	46.49	930	6410	1090	7520
			0.307	7.80	30	34.24	51.01	1030	7100	1200	8270
			0.344	8.74	---	38.23	56.96	1150	7930	1340	9240
			0.365	9.27	40 (STD)	40.48	60.29	1220	8410	1430	9860
			0.438	11.13	---	48.19	71.87	1470	10140	1710	11790
			0.500	12.70	80 (XS)	54.74	81.52	1670	11510	1950	13440
12	12.750	323.8	0.203	5.16	---	27.20	40.55	570	3930	670	4620
			0.219	5.56	---	29.31	43.63	620	4270	720	4960
			0.250	6.35	20	33.38	49.71	710	4900	820	5650
			0.281	7.14	---	37.42	55.75	790	5450	930	6410
			0.312	7.92	---	41.45	61.69	880	6070	1030	7100
			0.330	8.38	30	43.77	65.18	930	6410	1090	7520
			0.344	8.74	---	45.58	67.90	970	6690	1130	7790
			0.375	9.52	(STD)	49.56	73.78	1060	7310	1240	8550
			0.406	10.31	40	53.52	79.70	1150	7930	1340	9240
			0.438	11.13	---	57.59	85.82	1240	8550	1440	9930
			0.500	12.70	(XS)	65.42	97.43	1410	9720	1650	11380
			0.562	14.27	60	73.15	108.92	1590	10960	1850	12760

ASTM A53 (PLAIN END) LINE PIPES

Nominal Pipe Size	Outside Diameter		Wall Thickness		Schedule No. (Weight Class)	Plain End Weight per Unit Length		Hydrostatic Test Pressure			
								Grade A		Grade B	
	inch	mm	inch	mm		lb/ft	kg/m	psi	kPa	psi	kPa
14	14.000	355.6	0.210	5.33	---	30.93	46.04	540	3720	630	4340
			0.219	5.56	---	32.23	47.99	560	3860	660	4550
			0.250	6.35	10	36.71	54.69	640	4410	750	5170
			0.281	7.14	---	41.17	61.35	720	4960	840	5790
			0.312	7.92	20	45.61	67.90	800	5520	940	6480
			0.344	8.74	---	50.17	74.76	880	6070	1030	7100
			0.375	9.52	30 (STD)	54.57	81.25	960	6620	1120	7720
			0.438	11.13	40	63.44	94.55	1130	7790	1310	9030
			0.469	11.91	---	67.78	100.94	1210	8340	1410	9720
			0.500	12.70	(XS)	72.09	107.39	1290	8890	1500	10340
			0.594	15.09	60	85.05	126.71	1530	10550	1790	12340
16	16.000	406.4	0.219	5.56	---	36.91	54.96	490	3380	570	3930
			0.250	6.35	10	42.05	62.64	560	3860	660	4550
			0.281	7.14	---	47.17	70.30	630	4340	740	5100
			0.312	7.92	20	52.27	77.83	700	4830	820	5650
			0.344	8.74	---	57.52	85.71	770	5310	900	6210
			0.375	9.52	30 (STD)	62.58	93.17	840	5790	980	6760
			0.438	11.13	---	72.80	108.49	990	6830	1150	7930
			0.469	11.91	---	77.79	115.86	1060	7310	1230	8480
			0.500	12.70	40 (XS)	82.77	123.30	1120	7720	1310	9030
			0.562	14.27	50	95.00	138.00	1300	9000	1500	10340
18	18.000	457.2	0.250	6.35	10	47.39	70.60	500	3450	580	4000
			0.281	7.14	---	53.18	79.24	560	3860	660	4550
			0.312	7.92	20	58.94	87.75	620	4270	730	5030
			0.344	8.74	---	64.87	96.66	690	4760	800	5520
			0.375	9.52	(STD)	70.59	105.10	750	5170	880	6070
			0.406	10.31	---	76.29	113.62	810	5580	950	6550
			0.438	11.13	30	82.15	122.43	880	6070	1020	7030
			0.469	11.91	---	87.81	130.78	940	6480	1090	7520
			0.500	12.70	(XS)	93.45	139.20	1000	6890	1170	8070
			0.562	14.27	40	104.67	155.87	1120	7720	1310	9030
			0.600	15.24	50	114.30	168.00	1250	8600	1450	10000
20	20.000	508.0	0.250	6.35	10	52.73	78.55	450	3100	520	3590
			0.281	7.14	---	59.18	88.19	510	3520	590	4070
			0.312	7.92	---	65.60	97.67	560	3860	660	4550
			0.344	8.74	---	72.21	107.60	620	4270	720	4960
			0.375	9.52	20 (STD)	78.60	117.02	680	4690	790	5450
			0.406	10.31	---	84.96	126.53	730	5030	850	5860
			0.438	11.13	---	91.51	136.37	790	5450	920	6340
			0.469	11.91	---	97.83	145.70	850	5860	950	6550
			0.500	12.70	30 (XS)	104.13	155.12	900	6210	1050	7240
			0.562	14.27	40	123.11	183.42	1170	8070	1250	8620
			0.600	15.24	50	134.00	196.00	1300	9000	1450	10000