

Table B-14 Properties of Standard Steel Pipe (SI Units)

Dimensions				Properties				
Nominal Diam. <i>d</i> (mm)	Outside Diam. <i>do</i> (mm)	Inside Diam. <i>di</i> (mm)	Wall Thickness <i>t</i> (mm)	Mass <i>m</i> (kg/m)	<i>A</i> (mm ²)	<i>I</i> (10 ⁶) (mm ⁴)	<i>S</i> (10 ³) (mm ³)	<i>r</i> (mm)
Standard Weight								
13	21.3	15.8	2.77	1.264	161.3	0.007	0.672	6.6
19	26.7	20.9	2.87	1.681	214.8	0.015	1.163	8.5
25	33.4	26.6	3.38	2.499	318.7	0.036	2.179	10.7
32	42.2	35.1	3.56	3.376	431.6	0.081	3.851	13.7
38	48.1	40.9	3.68	4.045	515.5	0.129	5.342	15.8
51	60.3	52.5	3.91	5.428	693.5	0.277	9.193	20.0
64	73.0	62.7	5.16	8.611	1099	0.637	17.44	24.1
76	88.9	77.9	5.49	11.27	1437	1.256	28.25	29.5
89	101.6	90.1	5.74	13.55	1729	1.992	39.17	34.0
102	114.3	102.3	6.02	16.05	2048	3.011	52.60	38.4
127	141.3	128.2	6.55	21.74	2774	6.310	89.31	47.8
152	168.3	154.1	7.11	28.21	3600	11.71	139.3	57.2
203	219.1	202.7	8.18	42.46	5419	30.2	275.5	74.7
254	273.1	254.5	9.27	60.20	7684	66.9	490	93.2
305	323.9	304.8	9.53	73.71	9406	116.3	718	111.3
Extra Strong								
38	48.3	38.1	5.08	5.399	689	0.163	6.75	15.4
51	60.3	49.3	5.54	7.466	953	0.361	11.98	19.5
64	70.0	59.0	7.01	11.39	1454	0.801	21.93	23.5
76	88.9	73.7	7.62	15.24	1946	1.621	36.54	29.0
102	114.3	97.2	8.56	22.28	2843	4.000	69.67	37.6
152	168.3	146.3	10.97	42.49	5423	16.85	200	55.9
Double Extra Strong								
38	48.3	27.9	10.16	9.53	1216	0.236	0.564	13.9
51	60.3	38.2	11.07	13.43	1714	0.546	1.104	17.9
64	70.0	45.0	14.02	20.36	2600	1.195	1.997	21.4
76	88.9	58.4	15.24	27.63	3526	2.494	3.42	26.7
102	114.3	80.1	17.12	40.96	5226	6.360	6.79	34.8
152	168.3	124.4	21.95	79.06	10090	27.61	20.0	52.3