

STEEL TUBE FOR STRUCTURAL PURPOSES

AS PER SPECIFICATION IS:1161 - 2004

NB (mm)	D (mm)	T (mm)	WEIGHT (Kg/m)	X-AREA (cm ²)	OUTER SURFACE AREA/METER (cm ² /m)	I _x (cm ⁴ /m)	R _x (cm)	Z _x (cm ³)
15	21.3	2	0.952	1.21	669	0.57	0.69	0.54
	21.3	2.6	1.2	1.53	669	0.68	0.67	0.64
	21.3	3.2	1.43	1.82	699	0.77	0.65	0.72
20	26.9	2.3	1.4	1.78	845	1.36	0.87	1.01
	26.9	2.6	1.56	1.98	845	1.48	0.86	1.1
	26.9	3.2	1.87	2.38	845	1.7	0.85	1.27
25	33.7	2	1.56	1.99	1059	2.51	1.12	1.49
	33.7	2.6	1.99	2.54	1059	3.09	1.1	1.84
	33.7	3.2	2.41	3.07	1059	3.6	1.08	2.14
	33.7	4	2.93	3.73	1059	4.19	1.06	2.49
32	42.4	2	1.99	2.54	1332	5.19	1.43	2.45
	42.4	2.6	2.55	3.25	1332	6.46	1.41	3.05
	42.4	3.2	3.09	3.94	1332	7.62	1.39	3.59
	42.4	4	3.79	4.83	1332	8.99	1.36	4.24
40	48.3	2	2.28	2.91	1517	7.81	1.64	3.23
	48.3	2.9	3.25	4.14	1517	10.7	1.61	4.43
	48.3	3.2	3.56	4.53	1517	11.59	1.6	4.48
	48.3	4	4.37	5.57	1517	13.77	1.57	5.7
50	60.3	2	2.88	3.66	1894	15.58	2.06	5.17
	60.3	2.9	4.11	5.23	1894	21.59	2.03	7.16
	60.3	3.6	5.03	6.41	1894	25.87	2.01	8.58
	60.3	4.5	6.19	7.89	1894	30.9	1.98	10.25
65	76.1	2	3.65	4.66	2391	31.98	2.62	8.4
	76.1	2.9	5.24	6.67	2391	44.74	2.59	11.76
	76.1	3.6	6.44	8.2	2391	54.01	2.57	14.19
	76.1	4.5	7.95	10.12	2391	65.12	2.54	17.11
80	88.9	2.6	5.53	7.05	2793	65.68	3.05	14.78
	88.9	3.2	6.76	8.62	2793	79.21	3.03	17.82
	88.9	4	8.38	10.67	2793	96.34	3	21.67
	88.9	4.8	9.96	12.68	2793	112.49	2.98	25.31
100	114.3	2.6	7.16	9.12	3591	142.37	3.95	24.91
	114.3	3.6	9.83	12.52	3591	191.98	3.92	33.59
	114.3	4.5	12.19	15.52	3591	234.32	3.89	41.00
	114.3	5.4	14.50	18.47	3591	274.54	3.85	48.04