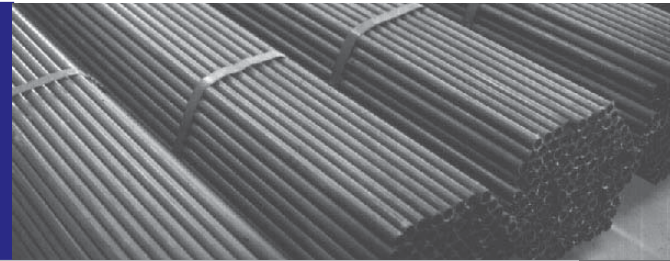
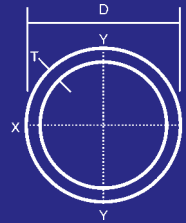


CARBON STEEL TUBES

FOR GENERAL STRUCTURAL PURPOSES

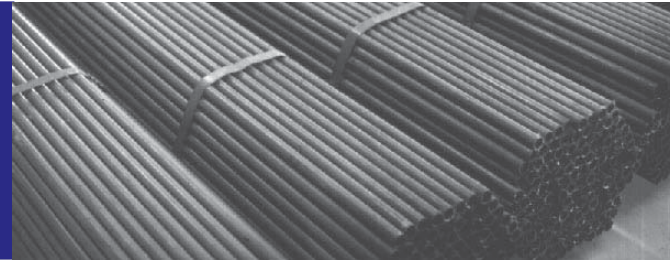
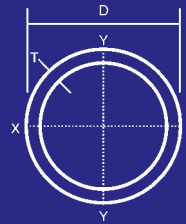


Nominal Dimention (in.)	Outside Diameter (mm.)	Thickness (mm.)	Calculate Weight (kg./m.)	Informative Reference			
				Cross Sectional Area (cm ²)	Geometrical Moment of Inertia (cm ⁴)	Modulus of Section (cm ³)	Radius of Gyrations (cm.)
DN	D	T	W	A	I	Z	i
1/2 (15)	21.34	1.60	0.78	0.99	0.49	0.45	0.70
		2.30	1.08	1.38	0.63	0.59	0.68
		3.20	1.43	1.82	0.77	0.72	0.65
3/4 (20)	26.99	1.60	1.00	1.28	1.03	0.76	0.90
		2.30	1.40	1.78	1.37	1.01	0.88
		3.20	1.88	2.39	1.72	1.27	0.85
1 (25)	34.13	1.60	1.28	1.64	2.17	1.27	1.15
		2.30	1.80	2.30	2.93	1.71	1.13
		3.20	2.44	3.11	3.76	2.20	1.10
1 1/4 (32)	42.40	1.60	1.61	2.05	4.27	2.01	1.44
		2.30	2.27	2.90	5.84	2.75	1.42
		3.20	3.09	3.94	7.62	3.59	1.39
1 1/2 (40)	48.40	1.60	1.85	2.35	6.44	2.66	1.65
		2.30	2.61	3.33	8.87	3.66	1.63

		3.20	3.57	4.54	11.66	4.81	1.60
2 (50)	60.30	1.80	2.59	3.31	14.16	4.69	2.07
		2.30	3.29	4.19	17.64	5.84	2.05
		3.20	4.51	5.74	23.46	7.77	2.02
		4.50	6.19	7.89	30.89	10.23	1.98
2 1/2 (65)	76.20	1.80	3.03	4.21	29.11	7.63	2.63
		2.30	4.19	5.34	36.47	9.56	2.61
		3.20	5.76	7.34	48.95	12.83	2.58
		4.50	7.96	10.14	65.36	17.13	2.54
3 (80)	88.90	1.80	3.87	4.93	46.70	10.49	3.08
		2.30	4.91	6.26	58.67	13.18	3.06
		3.20	6.67	8.62	79.17	17.79	3.03
		4.50	9.37	11.93	106.49	23.93	2.99
		6.00	12.27	15.63	134.87	30.30	2.94
3 1/2 (90)	101.60	1.80	4.43	5.64	70.25	13.81	3.53
		2.30	5.63	7.18	88.44	17.39	3.51
		3.20	7.76	9.89	119.79	23.55	3.48
		4.50	10.78	13.73	162.05	31.86	3.44
		6.00	14.15	18.02	206.57	40.61	3.39
4 (100)	114.30	1.80	4.99	6.36	100.62	17.58	3.98
		2.30	6.35	8.09	126.88	22.17	3.96
		3.20	8.77	11.17	172.38	30.13	3.93
		4.50	12.18	15.52	234.20	40.93	3.88
		6.00	16.02	20.40	299.68	52.44	3.83
		9.50	24.54	31.26	432.16	75.62	3.72

CARBON STEEL TUBES

FOR GENERAL STRUCTURAL PURPOSES



Nominal Dimention (in.)	Outside Diameter (mm.)	Thickness (mm.)	Calculate Weight (kg./m.)	Informative Reference			
				Cross Sectional Area (cm ²)	Geometrical Moment of Inertia (cm ⁴)	Modulus of Section (cm ³)	Radius of Gyration (cm.)
DN	D	T	W	A	I	Z	I
5 (125)	139.50	3.20	10.76	13.70	318.21	45.56	4.82
		4.50	14.98	19.09	435.05	62.29	4.77
		6.00	19.75	25.16	561.45	80.39	4.72
		9.50	30.44	38.78	822.53	117.93	4.61
		11.11	35.16	44.79	928.61	133.13	5.55
6 (150)	165.40	3.20	12.80	16.31	536.18	64.75	5.73
		4.50	17.86	22.75	736.31	88.92	5.69
		6.00	23.57	30.03	953.93	115.35	5.63
		9.50	36.51	46.51	1,416.31	171.26	5.52
		11.11	42.25	53.83	1,607.90	194.43	5.47
	168.30	6.00	24.01	30.59	1,008.18	119.65	5.74
		9.50	37.18	47.37	1,496.62	177.85	5.62
		11.11	43.05	54.84	1,699.96	202.02	5.57
8 (200)	216.70	4.20	22.01	28.04	1,582.47	145.87	7.51
		6.00	31.16	39.70	2,201.83	203.21	7.45
		9.50	48.52	61.81	3,319.64	306.38	7.33
		11.11	56.30	71.72	3,795.53	350.30	7.28