



STEEL TUBES, TUBULARS AND OTHER WROUGHT STEEL FITTINGS

Conforming to IS:1239(Part-1) 2004

Nominal Bore (N.B.)		Outside Diameter Minimum Maximum		Class	Wall Thickness		Nominal Weight Kg/Meter		Meters/Ton	
mm	Inch	mm	mm	(L, M & H)	mm	SWG	P.E.	S & S	P.E.	S & S
15	(1/2")	21.0	21.4	L	2.00	14	0.947	0.956	1056	1046
		21.0	21.8	M	2.60	12	1.21	1.22	826	820
		21.0	21.8	H	3.20	10	1.44	1.45	694	690
20	(3/4")	26.4	26.9	L	2.30	13	1.38	1.39	725	719
		26.5	27.3	M	2.60	12	1.56	1.57	641	637
		26.5	27.3	H	3.20	10	1.87	1.88	535	532
25	(1")	33.2	33.8	L	2.60	12	1.98	2.00	505	500
		33.3	34.2	M	3.20	10	2.41	2.43	415	412
		33.3	34.2	H	4.00	8	2.93	2.95	341	339
32	(1 1/4")	41.9	42.5	L	2.60	12	2.54	2.57	394	389
		42.0	42.9	M	3.20	10	3.10	3.13	323	319
		42.0	42.9	H	4.00	8	3.79	3.82	264	262
40	(1 1/2")	47.8	48.4	L	2.90	11	3.23	3.27	310	306
		47.9	48.8	M	3.20	10	3.56	3.60	281	278
		47.9	48.8	H	4.00	8	4.37	4.41	229	227
50	(2")	59.6	60.2	L	2.90	11	4.08	4.15	245	241
		59.7	60.8	M	3.60	9	5.03	5.10	199	196
		59.7	60.8	H	4.50	7	6.19	6.26	162	160
65	(2 1/2")	75.2	76.0	L	3.20	10	5.71	5.83	175	172
		75.3	76.6	M	3.60	9	6.42	6.54	156	153
		75.3	76.6	H	4.50	7	7.93	8.05	126	124
80	(3")	87.9	88.7	L	3.20	10	6.72	6.89	149	145
		88.0	89.5	M	4.00	8	8.36	8.53	120	117
		88.0	89.5	H	4.80	6	9.90	10.10	101	99
100	(4")	113.0	113.9	L	3.60	9	9.75	10.00	103	100
		113.1	115.0	M	4.50	7	12.20	12.50	82	80
		113.1	115.0	H	5.40	5	14.50	14.80	69	68
125	(5")	138.5	140.8	M	4.80	6	15.90	16.40	63	61
		138.5	140.8	H	5.40	5	17.90	18.40	56	54
150	(6")	163.9	166.5	M	4.80	6	18.90	19.50	53	51
		163.9	166.5	H	5.40	5	21.30	21.90	47	46

PHYSICAL PROPERTIES & TOLERANCES

Thickness
Light Tubes : + not limited
-8%

Medium &
Heavy Tubes : + not limited
-10%

Weight
Single Tube : + 10% , -8%
(Light series)
Single Tube : ± 10%
(Medium & Heavy Series)
For quantities per load of 10 ton Min.: + 7.5% , -5%
(Light series)

For quantities per load of 10 ton Min.: ± 7.5%
(Medium & Heavy series)

Chemical Composition
As per IS-10748:2004.

Physical Properties
Tensile strength : Min. 320MPa
Elongation (%age) : 12% Min. (For, ≤ 25mm NB)
20% Min. (For, > 25mm NB)
Hydro Test Pressure : 5MPa (Min)

