

STEEL TUBES FOR STRUCTURAL PURPOSES CONFORMING TO IS: 1161 : 1998

N.B.	SERIES	OUTSIDE	THICKNESS	NOMINAL WEIGHT		CALCULATED NOMINAL WEIGHT	
		DIAMETER		BLACK TUBE		GALVANIZED TUBES	
				PLAIN END		PLAIN END	
		MM	MM	KG/M	M/TONNES	KG/M	M/TONNES
15	L	21.30	2.00	0.947	1058	1.00	1003
	M		2.60	1.21	826	1.26	794
	H		3.20	1.44	694	1.49	671
20	L	26.90	2.30	1.38	725	1.43	699
	M		2.60	1.56	641	1.61	221
	H		3.20	1.87	535	1.92	521
25	L	33.70	2.60	1.98	505	2.03	493
	M		3.20	2.41	415	2.46	407
	H		4.00	2.93	341	2.98	336
32	L	42.40	2.60	1.54	394	2.62	382
	M		3.20	3.10	323	3.18	314
	H		4.00	3.79	264	3.87	258
40	L	48.30	2.90	3.23	310	3.34	299
	M		3.20	3.56	281	3.67	272
	H		4.00	4.37	229	4.48	223
50	L	60.30	2.90	4.08	245	4.20	238
	M		3.20	5.03	199	5.15	194
	H		4.00	6.19	162	6.31	158
65	L	76.10	3.20	5.71	175	5.86	171
	M		3.60	6.42	156	6.57	152
	H		4.50	7.93	126	8.10	123
80	L	88.90	3.20	6.72	149	6.90	145
	M		4.00	8.36	120	8.54	117
	H		4.80	9.90	101	10.08	99
90	L	101.60	3.60	8.70	115	8.97	111
	M		4.00	9.63	144	7.20	139
	H		4.80	11.50	87	11.77	85
100	L	114.30	3.60	9.75	103	9.97	100
	M		4.50	12.20	82	12.42	81
	H		5.40	14.50	69	14.72	68
110	L	127.00	4.50	13.60	74	13.90	72
	M		4.80	14.50	69	14.80	68
	H		5.40	16.20	62	14.80	61
125	L	139.70	4.50	15.00	67	15.25	66
	M		4.80	15.90	63	16.15	62
	H		5.40	17.90	56	18.15	55
135	L	152.40	4.50	16.40	61	16.78	60
	M		4.80	17.50	57	17.88	56
	H		5.40	19.60	51	19.98	55
150	L	165.10	4.50	17.80	56	18.20	55
	M		4.80	18.90	52	19.80	51
	H		5.40	21.30	47	21.70	46
150	L	168.30	4.50	18.20	55	18.66	54
	M		4.80	19.40	52	19.88	50
	H1		5.40	21.70	46	22.24	45
	H2		6.30	25.20	40	41.00	24
175	L	193.70	4.80	22.40	45	22.94	44
	M		5.40	25.10	40	25.64	39
	H		5.90	27.30	37	27.84	36
200	L	219.10	4.80	25.40	39	25.95	39
	M		5.60	29.50	34	30.05	33
	H		5.90	31.00	32	31.55	32
225	H	244.50	5.90	34.70	29	35.36	28
250	H	273.00	5.90	38.90	26	39.68	25
300	H	323.90	6.30	49.30	20	50.28	20
350	H	355.60	8.00	68.60	15	69.58	14

TENSILE PROPERTIES:

GRADE	Y.S.(MIN)	T.S.(MIN)	% ELOGNATION
	MPA	MPA	
	(KG/MM2)	(KG/MM2)	
YST-210	210(21.42)	330(33.66)	20
YST-240	240(24.48)	410(41.82)	17

TOLERANCES:

- ON OUTSIDE DIAMETER UP TO & INCLUDING 48.3 MM =+0.4MM/ -0.8MM
- OVER 48.3 MM = +/- 1%.

THICKNESS:

FOR ALL SIZE WEILDED TUBES TOLERANCES + NOT LIMITED -10%

WEIGHT

SINGLE TUBE TOLERANCES
 1. LIGHT CLASS +10% / - 8%
 2. MEDIUM & HEAVY CLASS +/- 10%

10 TONNE LOT

- LIGHT CLASS +/- 5%
- MEDIUM & HEAVY CLASS +/- 7.5%