

**STEEL TUBES FOR STRUCTURAL PURPOSES CONFORMING TO
IS 1161 - 1998**

Inch	Nominal Bore		Outside Dia	Thickness	Nominal weight		Calculated Nominal weight	
			mm	mm	Black Tubes	Plain End	weight Galvanized Tubes	Plain End
					kg/m	m/tonne	kg/m	m/tonne
1/2	15	L	21.30	2.00	0.95	1056	1.00	1000
		M		2.60	1.21	826	1.26	794
		H		3.20	1.44	694	1.49	671
3/4	20	L	26.90	2.30	1.38	725	1.43	699
		M		2.60	1.56	641	1.61	621
		H		3.20	1.87	535	1.92	521
1	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
1 1/4	32	L	42.40	2.60	2.54	394	2.62	382
		M		3.20	3.10	323	3.18	314
		H		4.00	3.79	264	3.87	258
1 1/2	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
2	50	L	60.30	2.90	4.08	245	4.20	238
		M		3.60	5.03	199	5.15	194
		H		4.50	6.19	162	6.31	158
2 1/2	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
3	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
4	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

5	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
6	150	L	165.10	4.50	17.80	56	18.20	55				
		M		4.80					18.90	53	19.30	52
		H		5.40					21.30	47	21.70	46
6	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	25.74	39
7	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
8	200	L	219.1	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
10	250	H	273	5.90	38.90	26	39.68	25				

Tolerance	
Outside Diameter: upto 48.30	+0.4 mm - 0.8 mm
Outside Diameter: >48.30 mm	+/-1 %
Thickness:	+ not limited - 10%
Weight	
Single Tube - Light	- 8% + 10%
Medium and heavy	± 10%
10 Ton Lot - Light	± 5%
Medium and heavy	± 7.5%