

# M K K METAL SECTIONS PRIVATE LIMITED



TECHNICAL DATA FOR STEEL TUBES FOR USES IN WATER , GAS, AIR & STEAM,

CONFIRMING TO IS:1239(PART 1) 2004 EQUIVALENT TO BS:1387-1985

IS 1239(Part1)

NOMINAL BORE & SERIES		OUTSIDE DIAMETER			WALL THICKNESS		NOMINAL MASS OF STEEL TUBES								SOCKET	
							PLAIN END				SCREWED & SOCKETED				Min OD	Min Length
							MM	INCHS	Max	Mean	Min	MM	SWG	KG/MTR	Mtrs/ Tonne	Kgs/20'
15 L	1/2"	21.4	21.2	21.0	2.0	14	0.947	1056	5.8	173	0.956	1046	5.8	172	27.0	37.0
15 M	1/2"	21.8	21.4	21.0	2.6	12	1.21	826	7.4	136	1.22	820	7.4	134	27.0	37.0
15 H	1/2"	21.8	21.4	21.0	3.2	10	1.44	694	8.8	114	1.45	690	8.8	113	27.0	37.0
20 L	3/4"	26.9	26.7	26.4	2.3	13	1.38	725	8.4	119	1.39	719	8.5	118	32.5	39.0
20 M	3/4"	27.3	26.9	26.5	2.6	12	1.56	641	9.5	105	1.57	637	9.6	104	32.5	39.0
20 H	3/4"	27.3	26.9	26.5	3.2	10	1.87	535	11.4	88	1.88	532	11.5	87	32.5	39.0
25 L	1"	33.8	33.5	33.2	2.6	12	1.98	505	12.1	83	2.00	500	12.2	82	39.5	46.0
25 M	1"	34.2	33.8	33.3	3.2	10	2.41	415	14.7	68	2.43	412	14.8	68	39.5	46.0
25 H	1"	34.2	33.8	33.3	4.0	8	2.93	341	17.9	56	2.95	339	18.0	56	39.5	46.0
32 L	1.1/4"	42.5	42.2	41.9	2.6	12	2.54	394	15.5	65	2.57	389	15.7	64	49.0	51.0
32 M	1.1/4"	42.9	42.5	42.0	3.2	10	3.1	323	18.9	53	3.13	319	19.1	52	49.0	51.0
32 H	1.1/4"	42.9	42.5	42.0	4.0	8	3.79	264	23.1	43	3.82	262	23.3	43	49.0	51.0
40 L	1.1/2"	48.4	48.1	47.8	2.9	11	3.23	310	19.7	51	3.27	306	19.9	50	56.0	51.0
40 M	1.1/2"	48.8	48.4	47.9	3.2	10	3.56	281	21.7	46	3.60	278	21.9	46	56.0	51.0
40 H	1.1/2"	48.8	48.4	47.9	4.0	8	4.37	229	26.6	38	4.41	227	26.9	37	56.0	51.0
50 L	2"	60.2	59.9	59.6	2.9	11	4.08	245	24.9	40	4.15	241	25.3	40	68.0	60.0
50 M	2"	60.8	60.3	59.7	3.6	9	5.03	199	30.7	33	5.10	196	31.1	32	68.0	60.0
50 H	2"	60.8	60.3	59.7	4.5	7	6.19	162	37.7	27	6.26	160	38.2	26	68.0	60.0
65 L	2.1/2"	76.0	75.6	75.2	3.2	10	5.71	175	34.8	29	5.83	172	35.5	28	84.0	69.0
65 M	2.1/2"	76.6	76.0	75.3	3.6	9	6.42	156	39.1	26	6.54	153	39.9	25	84.0	69.0
65 H	2.1/2"	76.6	76.0	75.3	4.5	7	7.93	126	48.3	21	8.05	124	49.1	20	84.0	69.0
80 L	3"	88.7	88.3	87.9	3.2	10	6.72	149	41.0	24	6.89	145	42.0	24	98.0	75.0
80 M	3"	89.5	88.8	88.0	4.0	8	8.36	120	51.0	20	8.53	117	52.0	19	98.0	75.0
80 H	3"	89.5	88.8	88.0	4.8	6	9.9	101	60.4	17	10.4	96	63.4	16	98.0	75.0
100L	4"	113.9	113.5	113.0	3.6	9	9.75	103	59.4	17	10.0	100	61.0	16	124.0	87.0
100M	4"	115.0	114.1	113.1	4.5	7	12.2	82	74.4	13	12.5	80	76.2	13	124.0	87.0
100H	4"	115.0	114.1	113.1	5.4	5	14.5	69	88.4	11	14.8	68	90.2	11	124.0	87.0
125M	5"	140.8	139.7	138.5	4.8	6	15.9	63	96.9	10	16.4	61	100.0	10	151.0	96.0
125H	5"	140.8	139.7	138.5	5.4	5	17.9	56	109.1	9	18.4	54	112.2	9	151.0	96.0
150M	6"	166.5	165.2	163.9	4.8	6	18.9	53	115.2	9	19.5	51	118.9	8	178.0	96.0
150H	6"	166.5	165.2	163.9	5.4	5	21.3	47	129.8	8	21.9	46	133.5	7	178.0	96.0

## Following Manufacturing Tolerance shall be permitted on Thickness and Mass

Class	Thickness	Mass <i>Single Tube</i>	Mass <i>Per Load of 10T Min</i>	Length <i>Unless Otherwise Specified</i>	Hydrostatic Test Pressure
Light	+ Not Limited - 8 Percent	+ 10 percent - 8 Percent	+ 7.5 percent - 5.0 Percent	4 to 7 Mtrs	5 MPa
Medium & Heavy	+ Not Limited - 10 Percent	+ 10 Percent - 10 Percent	+ 7.5 Percent - 7.5 Percent	4 to 7 Mtrs	5 MPa