

STRUCTURAL TUBES CONFORMING TO IS:1161

NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass	NB	OD	Thk	Mass
mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m	mm	mm	mm	kg/m
(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
	21.3	2	0.952		60.3	2.9	4.11		139.7	4.5	15		193.7	4.8	22.36		273	5.9	38.86
15	21.3	2.6	1.2	50	60.3	3.6	5.03	125	139.7	4.8	15.97		193.7	5.4	25.08		273	6.3	41.44
	21.3	3.2	1.43		60.3	4.5	6.19		139.7	5.4	17.89		193.7	5.9	27.33	250	273	8	52.28
	26.9	2.3	1.4		76.1	2.9	5.34		152.4	4.5	16.41	175	193.7	6.3	29.12		273	10	64.86
20	26.9	2.6	1.56	65	76.1	3.6	6.44	135	152.4	4.8	17.47		193.7	8	36.64		273	12	77.24
	26.9	3.2	1.87		76.1	4.5	7.95		152.4	5.4	19.58		193.7	10	45.3		323.9	6.3	49.34
	33.7	2.6	1.99		88.9	3.2	6.76		165.1	4.5	17.82		193.7	12	53.77		323.9	8	62.32
25	33.7	3.2	2.41	80	88.9	4	8.38		165.1	4.8	18.98		219	4.8	25.37	300	323.9	10	77.41
	33.7	4	2.93		88.9	4.8	9.00	150	165.1	5.4	21.27		219	5.6	29.49		323.9	12	92.30
	41.4	2.6	2.55		101.6	3.6	8.70		165.1	5.9	23.2		219	5.9	31.02		355.6	8	68.58
32	42.4	3.2	3.09	90	101.6	4	9.63		165.1	6.3	24.67	200	219	6.3	33.06		355.6	10	85.23
	42.4	4	3.79		101.6	4.8	11.46		165.1	8	30.99		219	8	41.65		355.6	12	101.68
	48.3	2.9	3.25		114.3	3.6	9.83		168.3	4.5	18.18		219	10	51.57				
40	48.3	3.2	3.56	100	114.3	4.5	12.19		168.3	4.8	19.35		219	12	61.29				
	48.3	4	4.37		114.3	5.4	14.50		168.3	5.4	21.69		244.5	5.9	34.72	225	244.5	6.3	37.01
					127	4.5	13.59	150	168.3	6.3	25.17		244.5	6.3	37.01		244.5	8	46.66
				110	127	4.8	14.47		168.3	8	31.63		244.5	8	46.66				
					127	5.4	16.19		168.3	10	39.04		244.5	10	57.83				