





# BS EN 10255 : 2004

## Non-alloy Steel Tubes Suitable for Welding and Threading

STEEL GRADE		CHEMICAL COMPOSITION (%)				MECHANICAL PROPERTIES			COLOR CODE
STEEL NAME	STEEL NUMBER	C Max	Mn Max	P Max	S Max	Yield Strength	Tensile Strength	Elongation	Material of Grade
						MPa (min)	MPa	% (min)	
S 195T	1.0026	0.20	1.40	0.035	0.030	195	320 to 520	20	-

### M Series

NOMINAL SIZE		THICKNESS MM			OUTSIDE DIAMETER MM			PLAIN END	THREADED AND SOCKETED
in	mm	Std.	Min	Max	Std.	Min	Max	KG/M	KG/M
3/8"	17.2	2.30	2.07	2.53	17.2	16.70	17.50	0.840	0.845
1/2"	21.3	2.60	2.34	2.86	21.3	21.00	21.80	1.21	1.22
3/4"	26.9	2.60	2.34	2.86	26.9	26.50	27.30	1.560	1.570
1"	33.7	3.20	2.88	3.52	33.7	33.30	34.20	2.410	2.430
1-1/4"	42.4	3.20	2.88	3.52	42.4	42.00	42.90	3.100	3.130
1-1/2"	48.3	3.20	2.88	3.52	48.3	47.90	48.80	3.560	3.600
2"	60.3	3.60	3.24	3.96	60.3	59.70	60.80	5.030	5.100
2-1/2"	76.1	3.60	3.24	3.96	76.1	75.30	76.60	6.420	6.540
3"	88.9	4.00	3.60	4.40	88.9	88.00	89.50	8.360	8.530
4"	114.3	4.50	4.05	4.95	114.3	113.10	115.00	12.200	12.500
5"	139.7	5.00	4.50	5.50	139.7	138.50	140.80	16.600	17.100
6"	165.1	5.00	4.50	5.50	165.1	163.90	166.50	19.800	20.400

### H Series

NOMINAL SIZE		THICKNESS MM			OUTSIDE DIAMETER MM			PLAIN END	THREADED AND SOCKETED
in	mm	Std.	Min	Max	Std.	Min	Max	KG/M	KG/M
3/8"	17.2	2.90	2.61	3.19	17.2	16.70	17.50	1.020	1.030
1/2"	21.3	3.20	2.88	3.52	21.3	21.00	21.80	1.44	1.45
3/4"	26.9	3.20	2.88	3.52	26.9	26.50	27.30	1.870	1.880
1"	33.7	4.00	3.60	4.40	33.7	33.30	34.20	2.930	2.950
1-1/4"	42.4	4.00	3.60	4.40	42.4	42.00	42.90	3.790	3.820
1-1/2"	48.3	4.00	3.60	4.40	48.3	47.90	48.80	4.370	4.410
2"	60.3	4.50	4.05	4.95	60.3	59.70	60.80	6.190	6.260
2-1/2"	76.1	4.50	4.05	4.95	76.1	75.30	76.60	7.930	8.050
3"	88.9	5.00	4.50	5.50	88.9	88.00	89.50	10.300	10.500
4"	114.3	5.40	4.86	5.94	114.3	113.10	115.00	14.500	14.800
5"	139.7	5.40	4.86	5.94	139.7	138.50	140.80	17.900	18.400
6"	165.1	5.40	4.86	5.94	165.1	163.90	166.50	21.300	21.900

Thickness M and H series :  $\pm 10\%$

Weight M and H series :  $\pm 7.5\%$

Hydrostatic Test 50 bar or 700 psi