

Specifications

EN10255: 2004 grade 5195T (Formerly covered by BS 1387)

Mechanical Properties at Room Temperature

YIELD	TENSILE	ELONGATION
min N/mm ²	N/mm ²	min %
195	320-460	20

Dimensions - Steel Tube (Light)

NOMINAL SIZE OF	DESIGNATION THREAD	OUTSIDE DIAMETER		THICKNESS	PLAIN ENDS	SCREWED AND SOCKETED
		Max mm	Min mm			
8	0.250	13.6	13.2	1.8	0.515	0.519
10	0.375	17.1	16.7	1.8	0.670	0.676
15	0.500	21.4	21.0	2.0	0.947	0.956
20	0.750	26.9	26.4	2.3	1.380	1.390
25	1.000	33.8	33.2	2.6	1.980	2.000
32	1.250	42.5	41.9	2.6	2.540	2.570
40	1.500	48.4	47.8	2.9	3.230	3.270
50	2.000	60.2	59.6	2.9	4.080	4.150
65	2.500	76.2	75.2	3.2	5.710	5.830
80	3.000	88.7	87.9	3.2	6.720	6.890
100	4.000	113.9	113.0	3.6	9.750	10.000

Dimensions - Steel Tube (Medium)

NOMINAL SIZE OF	DESIGNATION THREAD	OUTSIDE DIAMETER		THICKNESS	PLAIN ENDS	SCREWED AND SOCKETED
		Max mm	Min mm			
				mm	kg/m	kg/m
8	0.250	13.9	13.3	2.3	0.641	0.645
10	0.375	17.4	16.8	2.3	0.839	0.845
15	0.500	21.7	21.1	2.6	1.210	1.220
20	0.750	27.2	26.6	3.2	1.560	1.570
25	1.000	34.2	33.4	3.2	2.410	2.430
32	1.250	42.9	42.1	3.2	3.100	3.130
40	1.500	48.8	48.0	3.2	3.570	3.610
50	2.000	60.8	59.8	3.6	5.030	5.100
65	2.500	76.6	75.4	3.6	6.430	6.550
80	3.000	89.5	88.1	4.0	8.370	8.540
100	4.000	114.9	113.3	4.5	12.200	12.500
125	5.000	140.6	138.7	5.0	16.600	17.100
150	6.000	166.1	164.1	5.0	19.700	20.300

Dimensions - Steel Tube (Heavy)

NOMINAL SIZE OF	DESIGNATION THREAD	OUTSIDE DIAMETER		THICKNESS	PLAIN ENDS	SCREWED AND SOCKETED
		Max mm	Min mm			
				mm	kg/m	kg/m
8	0.250	13.9	13.3	2.9	0.765	0.769
10	0.375	17.4	16.8	2.9	1.020	1.030
15	0.500	21.7	21.1	3.2	1.440	1.450
20	0.750	27.2	26.6	3.2	1.870	1.880
25	1.000	34.2	33.4	4.0	2.940	2.960
32	1.250	42.9	42.1	4.0	3.800	3.830
40	1.500	48.8	48.0	4.0	4.380	4.420
50	2.000	60.8	59.8	4.5	6.190	6.260
65	2.500	76.6	75.4	4.5	7.930	8.050
80	3.000	89.5	88.1	5.0	10.300	10.500
100	4.000	114.9	113.3	5.4	14.500	14.800
125	5.000	140.6	138.7	5.4	17.900	18.400
150	6.000	166.1	164.1	5.4	21.300	21.900

Chemical Composition - Ladle Analysis

C	SI	MN	P	S
Max %	Max %	Max %	Max %	Max %
0.2	1.2	0.045	0.045	0.025