

Carbon Steel Circular Hollow Section

For Ordinary Uses, Water Piping And Structural Purposes
BS 1387 : 1985
SS 17 : 1996

CLASS	NOMINAL SIZE		OUTSIDE DIAMETER				WALL THICKNESS		MASS OF BLACK TUBE						NUMBER OF THREADS PER INCH	BUNDLING
			MAXIMUM		MINIMUM				PLAIN ENDS			THREADS & COUPLING				
	in	mm	in	mm	in	mm	in	mm	kg/m	kg/ft	lb/ft	kg/m	kg/ft	lb/ft		Pieces
LIGHT	½	15	0.843	21.4	0.827	21.0	0.079	2.0	0.947	0.289	0.636	0.956	0.291	0.642	14	91
	¾	20	1.059	26.9	1.039	26.4	0.091	2.3	1.38	0.421	0.927	1.39	0.424	0.934	14	91
	1	25	1.331	33.8	1.307	33.2	0.102	2.6	1.98	0.603	1.331	2.00	0.610	1.344	11	91
	1¼	32	1.673	42.5	1.650	41.9	0.102	2.6	2.54	0.774	1.707	2.57	0.783	1.727	11	44
	1½	40	1.906	48.4	1.882	47.8	0.114	2.9	3.23	0.984	2.171	3.27	0.997	2.198	11	44
	2	50	2.370	60.2	2.346	59.6	0.114	2.9	4.08	1.244	2.742	4.15	1.265	2.789	11	44
	2½	65	2.992	76.0	2.961	75.2	0.126	3.2	5.71	1.740	3.837	5.83	1.777	3.918	11	19
	3	80	3.492	88.7	3.461	87.9	0.126	3.2	6.72	2.048	4.516	6.89	2.100	4.630	11	19
	4	100	4.484	113.9	4.449	113.0	0.142	3.6	9.75	2.972	6.552	10.0	3.048	6.721	11	10
MEDIUM	½	15	0.854	21.7	0.831	21.1	0.102	2.6	1.21	0.369	0.813	1.22	0.372	0.820	14	91
	¾	20	1.071	27.2	1.047	26.6	0.102	2.6	1.56	0.475	1.048	1.57	0.479	1.055	14	91
	1	25	1.346	34.2	1.315	33.4	0.126	3.2	2.41	0.735	1.620	2.43	0.741	1.633	11	91
	1¼	32	1.689	42.9	1.657	42.1	0.126	3.2	3.10	0.945	2.083	3.13	0.954	2.104	11	44
	1½	40	1.921	48.8	1.890	48.0	0.126	3.2	3.57	1.088	2.399	3.61	1.100	2.426	11	44
	2	50	2.394	60.8	2.354	59.8	0.142	3.6	5.03	1.533	3.380	5.10	1.554	3.427	11	44
	2½	65	3.016	76.6	2.969	75.4	0.142	3.6	6.43	1.963	4.328	6.55	1.996	4.402	11	19
	3	80	3.524	89.5	3.469	88.1	0.157	4.0	8.37	2.551	5.625	8.54	2.603	5.739	11	19
	4	100	4.524	114.9	4.461	113.3	0.177	4.5	12.2	3.718	8.199	12.5	3.810	8.401	11	10
	5	125	5.535	140.6	5.461	138.7	0.197	5.0	16.6	5.095	11.156	17.1	5.212	11.492	11	10
	6	150	6.539	166.1	6.461	164.1	0.197	5.0	19.7	6.004	13.239	20.3	6.187	13.643	11	10
HEAVY	½	15	0.854	21.7	0.831	21.1	0.126	3.2	1.44	0.439	0.968	1.45	0.442	0.974	14	91
	¾	20	1.071	27.2	1.047	26.6	0.126	3.2	1.87	0.570	1.257	1.88	0.573	1.263	14	91
	1	25	1.346	34.2	1.315	33.4	0.157	4.0	2.94	0.896	1.976	2.96	0.902	1.989	11	91
	1¼	32	1.689	42.9	1.657	42.1	0.157	4.0	3.80	1.158	2.554	3.83	1.167	2.574	11	44
	1½	40	1.921	48.8	1.890	48.0	0.157	4.0	4.38	1.335	2.944	4.42	1.347	2.970	11	44
	2	50	2.394	60.8	2.354	59.8	0.177	4.5	6.19	1.887	4.160	6.26	1.908	4.207	11	44
	2½	65	3.016	76.6	2.969	75.4	0.177	4.5	7.93	2.417	5.329	8.05	2.454	5.410	11	19
	3	80	3.524	89.5	3.469	88.1	0.197	5.0	10.3	3.139	6.922	10.5	3.200	7.057	11	19
	4	100	4.524	114.9	4.461	113.3	0.213	5.4	14.5	4.419	9.745	14.8	4.511	9.946	11	10
	5	125	5.535	140.6	5.461	138.7	0.213	5.4	17.9	5.456	12.030	18.4	5.608	12.366	11	10
	6	150	6.539	166.1	6.461	164.1	0.213	5.4	21.3	6.492	14.315	21.9	6.675	14.718	11	10

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SUPPLY CONDITIONS:

Identification Marking

- : Light tubes are marked by brown color band ●
- : Medium tubes are marked by blue color band ●
- : Heavy tubes are marked by red color band ●

Pipe Length

- : Standard Length is 6 meter
- : Cut-to-length is available upon request

Surface Finishing

- : Black
- : Galvanized

Pipe End

- : Plain End
- : Thread Cut with Coupler

TECHNICAL SPECIFICATIONS:

Leak Tightness Test

- : Each tube is 100% leak tightness - Hydraulic/Hydrostatic tested at a pressure of 50 bar (720 psi) or Eddy Current test.

Mechanical Properties:

MECHANICAL PROPERTIES		
TENSILE STRENGTH R_m	YIELD STRENGTH R_e	ELONGATION ON GAUGE LENGTH $L_0 = 5.65 \cdot S_0$ A
N/mm ²	N/mm ²	%
320 to 460	195 (min)	20 (min)

Chemical Composition:

CHEMICAL COMPOSITION (Ladle)%			
C max	Mn max	P max	S max
0.20	1.20	0.045	0.045

Tolerances:

PERMISSIBLE VARIATION	
Wall Thickness	: - 8 %, + not specified (Light Tubes) - 10 %, + not specified (Medium & Heavy Tubes)
Weight	: The mean consignment weight for quantities of 150m (500ft) and over of one size: ± 4% of the standard weight. : The mean consignment weight for any single tube : +10%, -8% of the standard weight.
Length	: - 0mm, + 30mm