



Heat exchanger tube - principal BWG sizes

Outside Diameter 			Birmingham Wire Gauge (BWG)								
			20 (0.889 mm)	18 (1.245 mm)	16 (1.651 mm)	15 (1.829 mm)	14 (2.108 mm)	13 (2.413 mm)	12 (2.769 mm)	11 (3.048 mm)	10 (3.403 mm)
in	mm		 Weight, kg/m (average wall ¹)								
1/4	0.250	6.350	0.12	0.16	0.19	-	-	-	-	-	-
5/16	0.313	7.950	0.15	0.21	0.25	0.28	-	-	-	-	-
3/8	0.375	9.525	0.19	0.25	0.31	0.34	0.39	-	-	-	-
1/2	0.500	12.700	0.25	0.34	0.45	0.49	0.55	0.61	0.68	0.72	-
5/8	0.625	15.875	0.33	0.45	0.58	0.64	0.71	0.80	0.89	0.97	-
3/4	0.750	19.050	0.40	0.55	0.72	0.77	0.88	0.98	1.12	1.20	1.31
7/8	0.875	22.225	0.46	0.64	0.83	0.92	1.04	1.18	1.32	1.44	1.58
1	1.000	25.400	0.54	0.74	0.97	1.06	1.21	1.37	1.55	1.68	1.92
1 1/8	1.125	28.575	0.61	0.83	1.10	1.21	1.37	1.56	1.76	1.92	2.11
1 1/4	1.250	31.750	0.68	0.94	1.23	1.35	1.53	1.76	1.96	2.16	2.40
1 3/8	1.375	34.925	0.74	1.03	1.35	1.49	1.70	1.93	2.19	2.40	2.65
1 1/2	1.500	38.100	0.82	1.13	1.49	1.64	1.87	2.17	2.40	2.63	2.92
1 3/4	1.750	44.450	0.97	1.32	1.74	1.92	2.20	2.50	2.84	3.10	3.44
2	2.000	50.800	-	1.52	1.99	2.20	2.53	2.89	3.27	3.59	3.97
2 1/4	2.250	57.150	-	1.73	2.26	2.48	2.87	3.26	3.70	4.06	4.51
2 3/8	2.375	60.325	-	1.81	2.38	2.63	3.02	3.44	3.93	4.30	4.78
2 1/2	2.500	63.500	-	1.91	2.52	2.78	3.18	3.66	4.14	4.54	5.04
2 7/8	2.875	73.025	-	2.20	2.90	3.20	3.68	4.20	4.79	5.25	5.83
3	3.000	76.200	-	2.31	3.04	3.35	3.85	4.39	5.00	5.49	6.10
3 1/2	3.500	88.900	-	2.69	3.56	3.93	4.51	5.15	5.86	6.44	7.17
4	4.000	10.160	-	-	4.11	4.54	5.21	5.95	6.80	7.47	8.30

Notes:

Conventional weights are quoted, assuming the tube is specified as average wall. Add 10% to the weight for minimum wall tube. Multiply quoted weights by 1.014 for austenitic and duplex steels, by 0.985 for ferritic and martensitic steels.