

Brass Tube: (Straight Length)

Brass Tube: (Straight Length)		KG/FT					
Gage/Size		3/8"	1/2"	5/8"	3/4"	7/8"	1"
	20	0.064	0.087	0.111	0.134	0.157	0.181
	19	0.07	0.096	0.123	0.149	0.174	0.201
	18	0.082	0.113	0.144	0.175	0.207	0.239
	16	0.104	0.146	0.187	0.229	0.27	0.313
	14	0.125	0.175	0.228	0.28	0.332	0.385
	12	0.145	0.215	0.283	0.35	0.417	0.485
	10	0.166	0.248	0.331	0.414	0.5	0.581

Brass Tube: (Straight Length)		KG/FT					
Gage/Size		1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-5/8"	2-1/8"
	20	0.204	0.228	0.246	0.275	0.299	0.393
	19	0.227	0.252	0.28	0.304	0.331	0.436
	18	0.27	0.3	0.333	0.364	0.395	0.521
	16	0.354	0.437	0.437	0.478	0.522	0.689
	14	0.436	0.49	0.539	0.592	0.646	0.855
	12	0.554	0.621	0.689	0.757	0.797	1.059
	10	0.665	0.75	0.832	0.919	1.002	1.337

Copper Tube: (Straight Length)

Copper Tube: (Straight Length)		KG/FT					
Gage/Size	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
20	0.067	0.092	0.117	1.41	0.166	0.191	
19	0.074	1.01	0.129	0.157	0.184	0.212	
18	0.087	3.19	1.52	0.185	0.218	0.252	
16	0.11	1.54	0.197	0.242	0.285	0.33	
14	0.131	0.185	0.24	0.295	0.35	0.406	
12	153	0.227	0.299	0.369	0.44	0.512	
10	0.175	0.261	0.349	0.437	0.525	0.613	

Copper Tube: (Straight Length)		KG/FT					
Gage/Size	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-5/8"	2-1/8"	
20	0.215	0.24	0.26	0.29	0.315	0.415	
19	0.239	0.266	0.296	0.321	0.349	0.46	
18	0.284	0.316	0.351	0.384	0.417	0.55	
16	0.373	0.461	0.461	0.504	0.551	0.727	
14	0.46	0.515	0.569	0.624	0.682	0.902	
12	0.584	0.655	0.727	0.799	0.841	1.117	
10	0.702	0.79	0.878	0.969	1.057	1.41	

Brass Sheet Weight Chart

SWG	MM	2FT x 4FT	1M X 2M	4FT X 8FT
4	5.9	37.61	101.20	150.42
6	4.9	31.23	84.04	124.93
8	4.08	26.01	69.98	104.02
10	3.25	20.72	55.74	82.86
12	2.64	16.83	45.28	67.31
14	2.03	12.94	34.82	51.76
16	1.63	10.39	27.96	41.56
18	1.22	7.78	20.93	31.10
19	1.02	6.50	17.50	26.01
20	0.91	5.80	15.61	23.20
21	0.81	5.16	13.89	20.65
22	0.71	4.53	12.18	18.10
23	0.61	3.89	10.46	15.55
24	0.56	3.57	9.61	14.28
25	0.51	3.25	8.75	13.00
26	0.46	2.93	7.89	11.73
27	0.42	2.68	7.20	10.71
28	0.38	2.42	6.52	9.69
29	0.35	2.23	6.00	8.92
30	0.32	2.04	5.49	8.16

Brass Strips

WIDTH	THICKNESS					KG/FT
	1/8"	3/16"	1/4"	3/8"	1/2"	
1/2"	0.11	0.16	0.21	0.32	0.42	
3/4"	0.16	0.24	0.32	0.47	0.63	
1"	0.21	0.32	0.42	0.63	0.84	
1-1/4"	0.26	0.40	0.53	0.79	1.05	
1-1/2"	0.32	0.47	0.63	0.95	1.26	
2"	0.42	0.63	0.84	1.27	1.70	
2-1/2"	0.53	0.79	1.05	1.58	2.11	
3"	0.63	0.95	1.26	1.90	2.53	
3-1/2"	0.74	1.11	1.48	2.21	2.95	
4"	0.84	1.26	1.69	2.53	3.37	

Bare Copper Conductor

Nominal Cross Section Area	Approx. Overall Diameter	Approx. Weight of Conductor	Minimum Calculated Breaking Load	
mm ²	mm	Kg/m	Kgf	kN
16	5.10	0.130	546	5.36
25	6.30	0.328	824	8.08
35	7.50	0.410	1,158	11.36
50	9.00	0.490	1,605	15.76
70	10.50	0.590	2,166	21.25
95	12.50	0.920	3,044	29.86
120	14.00	1.200	3,714	36.43
150	15.75	1.500	4,724	46.34

Copper Sheet Weight chart

SWG	MM	2FT x 4FT	1M X 2M	4FT X 8FT
4	5.90	39.05	105.05	156.15
6	4.90	32.42	87.25	129.70
8	4.08	27.00	72.65	108.00
10	3.25	21.50	57.87	86.02
12	2.64	17.47	47.01	69.87
14	2.03	13.43	36.14	53.73
16	1.63	10.79	29.02	43.14
18	1.22	8.07	21.72	32.29
19	1.02	6.75	18.16	27.00
20	0.91	6.02	16.02	24.08
21	0.81	5.36	14.42	21.44
22	0.71	4.70	12.64	18.79
23	0.61	4.04	10.86	16.14
24	0.56	3.71	9.97	14.82
25	0.51	3.37	9.08	13.50
26	0.46	3.04	8.19	12.17
27	0.42	2.78	7.48	11.12
28	0.38	2.51	6.77	10.06
29	0.35	2.32	6.23	9.26
30	0.32	2.12	5.70	8.47

Copper Rod

Size		Weight					
Inch	mm	KG/FT (R)	KG/MTR	KG/FT (H)	KG/MTR	KG/FT (S)	KG/MTR
	3.00	0.019	0.062	0.021	0.069	0.025	0.082
1/8	3.18	0.021	0.069	0.024	0.078	0.027	0.089
	4.00	0.035	0.114	0.038	0.124	0.043	0.143
3/16	4.76	0.048	0.157	0.054	0.177	0.062	0.203
	5.00	0.054	0.177	0.059	0.193	0.068	0.223
	6.00	0.077	0.253	0.084	0.277	0.098	0.322
1/4	6.35	0.086	0.284	0.095	0.311	0.116	0.380
	7.00	0.105	0.344	0.115	0.377	0.133	0.436
5/16	7.94	0.135	0.443	0.149	0.489	0.172	0.564
	9.00	0.174	0.571	0.198	0.649	0.227	0.744
3/8	9.53	0.194	0.637	0.214	0.702	0.247	0.810
	10.00	0.214	0.702	0.257	0.843	0.272	0.892
7/16	11.11	0.264	0.866	0.291	0.955	0.336	1.102
	12.00	0.308	1.010	0.340	1.112	0.392	1.286
1/2	12.70	0.345	1.132	0.383	1.256	0.441	1.447
9/16	14.29	0.436	1.433	0.482	1.582	0.556	1.824
5/8	15.88	0.538	1.765	0.595	1.952	0.688	2.257
11/16	17.50	0.652	2.139	0.717	2.353	0.829	2.721
3/4	19.05	0.777	2.550	0.859	2.818	0.991	3.250
	20.00	0.856	2.810	0.942	3.091	1.086	3.563
13/16	20.64	0.912	2.994	1.006	3.302	1.160	3.806
7/8	22.23	1.058	3.471	1.166	3.825	1.350	4.429
15/16	23.81	1.214	3.983	1.338	4.390	1.540	5.053
	25.00	1.335	4.380	1.475	4.840	1.698	5.570
1	25.40	1.382	4.534	1.519	4.984	1.751	5.745
1 1/8	28.58	1.745	5.725	1.925	6.316	2.226	7.303
	30.00	1.925	6.316	2.124	6.970	2.447	8.028
1 1/4	31.75	2.154	7.067	2.377	7.800	2.743	8.990
1 3/8	34.93	2.609	8.560	2.870	9.420	3.323	10.900
1 1/2	38.10	3.100	10.170	3.430	11.250	3.960	12.990
	40.00	3.430	11.250	3.790	12.430	4.370	14.330
1 5/8	41.28	3.640	11.940	4.030	13.220	4.650	15.250
1 3/4	44.45	4.230	13.880	4.650	15.260	5.380	17.650
	50.00	5.340	17.520	5.900	19.350	6.800	22.300
2	50.80	5.520	18.110	6.080	19.950	7.050	23.130
2 1/4	57.15	6.970	22.870	7.700	25.260	8.880	29.140
	60.00	7.700	25.260	8.500	27.900	9.810	32.180
2 1/2	63.50	8.640	28.350	9.500	31.170	10.970	36.000
	65.00	9.020	29.600	9.960	32.680	11.500	37.730
2 3/4	69.85	10.450	34.280	11.500	37.720	13.290	43.600
3	76.20	12.450	40.850	13.720	45.000	15.820	51.900
	80.00	13.720	45.000	15.090	49.500	17.410	57.120
3 1/4	82.55	14.560	47.770	16.050	52.640	18.570	60.900
3 1/2	88.90	16.880	55.380	18.670	61.250	21.520	70.600
4	101.60	22.050	72.350	24.270	79.630	27.220	89.310
4 1/2	110.00	25.850	84.820	28.590	93.800	32.920	108.000
5	127.00	34.500	113.200	38.080	124.950	43.890	144.000
5 1/2	139.70	41.670	136.720	46.000	150.900	53.060	174.000
6	152.40	49.600	162.700	54.750	179.650	63.100	207.000
6 1/2	165.10	57.850	189.750				
7	177.80	67.050	220.000				
7 1/2	190.50	77.000	252.600				
8	203.20	87.600	287.400				

Brass Rod

Size		Weight					
Inch	mm	KG/FT (R)	KG/MTR	KG/FT (H)	KG/MTR	KG/FT (S)	KG/MTR
	3.00	0.018	0.059	0.020	0.066	0.023	0.077
1/8	3.18	0.020	0.066	0.023	0.074	0.026	0.085
	4.00	0.033	0.108	0.036	0.118	0.041	0.136
3/16	4.76	0.046	0.151	0.051	0.166	0.059	0.192
	5.00	0.051	0.167	0.056	0.183	0.064	0.211
	6.00	0.073	0.240	0.080	0.264	0.093	0.305
1/4	6.35	0.082	0.296	0.090	0.296	0.105	0.342
5/16	7.94	0.128	0.412	0.141	0.462	0.163	0.534
	9.00	0.165	0.540	0.188	0.615	0.215	0.703
3/8	9.53	0.184	0.604	0.203	0.666	0.234	0.768
	10.00	0.203	0.666	0.244	0.734	0.258	0.847
7/16	11.11	0.250	0.820	0.276	0.910	0.319	1.050
	12.00	0.292	0.958	0.323	1.060	0.372	1.220
1/2	12.70	0.327	1.073	0.363	1.190	0.418	1.370
9/16	14.29	0.414	1.358	0.457	1.500	0.527	1.730
	15.00	0.451	1.499	0.503	1.650	0.582	1.910
5/8	15.88	0.510	1.673	0.564	1.850	0.652	2.140
11/16	17.50	0.618	2.028	0.680	2.230	0.786	2.580
3/4	19.05	0.737	2.418	0.814	2.670	0.939	3.080
13/16	20.64	0.865	2.840	0.954	3.130	1.100	3.600
7/8	22.23	1.003	3.290	1.105	3.630	1.280	4.200
15/16	23.81	1.151	3.780	1.269	4.160	1.460	4.790
1	25.40	1.310	4.300	1.440	4.730	1.660	5.450
11/8	28.58	1.654	5.430	1.825	5.990	2.110	6.920
	30.00	1.825	5.990	2.013	6.610	2.320	7.610
1 1/4	31.75	2.042	6.700	2.253	7.390	2.600	8.530
1 3/8	34.93	2.473	8.110	2.726	8.940	3.150	10.300
1 1/2	38.10	2.940	9.660	3.250	10.650	3.750	12.300
1 5/8	41.28	3.450	11.300	3.820	12.520	4.410	14.500
1 3/4	44.45	4.010	13.200	4.410	14.470	5.100	16.700
2	50.80	5.230	17.200	5.760	18.900	6.680	21.900
2 1/4	57.15	6.610	21.700	7.300	24	8.420	27.600
2 1/2	63.50	8.190	26.900	9.010	29.600	10.400	34.200
2 3/4	69.85	9.900	32.500	10.900	35.800	12.600	41.300
3	76.20	11.800	38.600	13	42.600	15	49.200
3 1/4	82.55	13.800	45.300	15.200	50	17.600	57.700
3 1/2	88.90	16	52.600	17.700	57.900	20.400	66.900
4	101.60	20.900	68.600	23	75.500	25.800	84.700
4 1/2	110.00	24.500	80.400	27.100	88.800	31.200	102.300
5	127.00	32.700	107.100	36.100	118.300	41.600	136.300
5 1/2	139.70	39.500	129.600	43.600	143.100	50.300	164.900
6	152.40	47	154.200	51.900	170.300	59.800	196.300
6 1/2	165.10	54.830	179.850				
7	177.80	63.560	208.500				
7 1/2	190.50	72.970	239.400				
8	203.20	83.020	272.300				