

Magnet Wire Size Chart

Dimension(mm)											Max Conductor Resistance	
Conductor			Grade 0		Grade 1		Grade 2		Grade 3		Grade 0, 1	Grade 2, 3
Conductor Diameter	Tolerance		Min Film Thickness	Max Film Thickness								
	Grade 0, 1	Grade 2, 3										
0.02	-	±0.002	-	-	-	-	0.003	0.030	0.002	0.028	-	69850
0.025	-	±0.002	-	-	-	-	0.003	0.037	0.002	0.034	-	42780
0.03	-	±0.002	-	-	-	-	0.003	0.044	0.002	0.040	-	28870
0.04	-	±0.002	-	-	-	-	0.003	0.056	0.002	0.052	-	15670
0.05	-	±0.003	-	-	-	-	0.004	0.069	0.003	0.064	-	10240
0.06	-	±0.003	-	-	-	-	0.004	0.081	0.003	0.075	-	6966
0.07	-	±0.003	-	-	-	-	0.004	0.091	0.003	0.085	-	4990
0.08	-	±0.003	-	-	-	-	0.005	0.103	0.003	0.097	-	3778
0.09	-	±0.003	-	-	-	-	0.005	0.113	0.003	0.107	-	2959
0.10	±0.008	±0.003	0.016	0.156	0.009	0.140	0.005	0.125	0.003	0.118	2647	2381
0.11	±0.008	±0.003	0.016	0.166	0.009	0.150	0.005	0.135	0.003	0.128	2153	1957
0.12	±0.008	±0.003	0.017	0.180	0.010	0.162	0.006	0.147	0.004	0.139	1786	1636
0.13	±0.008	±0.003	0.017	0.190	0.010	0.172	0.006	0.157	0.004	0.149	1505	1389
0.14	±0.008	±0.003	0.017	0.200	0.010	0.182	0.006	0.167	0.004	0.159	1286	1193
0.15	±0.008	±0.003	0.017	0.210	0.010	0.192	0.006	0.177	0.004	0.169	1111	1037
0.16	±0.008	±0.003	0.018	0.222	0.011	0.204	0.007	0.189	0.005	0.181	969.5	908.8
0.17	±0.008	±0.003	0.018	0.232	0.011	0.214	0.007	0.199	0.005	0.191	853.5	803.2
0.18	±0.008	±0.003	0.019	0.246	0.012	0.226	0.008	0.211	0.005	0.202	757.2	715
0.19	±0.008	±0.003	0.019	0.256	0.012	0.236	0.008	0.221	0.005	0.212	676.2	640.6
0.20	±0.008	±0.003	0.019	0.266	0.012	0.246	0.008	0.231	0.005	0.222	607.6	577.2
0.21	±0.008	±0.003	0.019	0.276	0.012	0.256	0.008	0.241	0.005	0.232	549	522.8
0.22	±0.008	±0.004	0.019	0.286	0.012	0.266	0.008	0.252	0.005	0.243	498.4	480.1
0.23	±0.008	±0.004	0.020	0.298	0.013	0.278	0.009	0.264	0.006	0.255	454.5	438.6
0.24	±0.008	±0.004	0.020	0.308	0.013	0.288	0.009	0.274	0.006	0.265	416.2	402.2
0.25	±0.008	±0.004	0.020	0.318	0.013	0.298	0.009	0.284	0.006	0.275	382.5	370.2
0.26	±0.010	±0.004	0.020	0.330	0.013	0.310	0.009	0.294	0.006	0.285	358.4	341.8
0.27	±0.010	±0.004	0.020	0.340	0.013	0.320	0.009	0.304	0.006	0.295	331.4	316.6
0.28	±0.010	±0.004	0.020	0.350	0.013	0.330	0.009	0.314	0.006	0.305	307.3	294.1
0.29	±0.010	±0.004	0.020	0.360	0.013	0.340	0.009	0.324	0.006	0.315	285.7	273.9
0.30	±0.010	±0.005	0.021	0.374	0.014	0.352	0.010	0.337	0.007	0.327	262.9	254
0.32	±0.010	±0.005	0.021	0.394	0.014	0.372	0.010	0.357	0.007	0.347	230	222.8
0.35	±0.010	±0.005	0.021	0.424	0.014	0.402	0.010	0.387	0.007	0.377	191.2	185.7
0.37	±0.010	±0.005	0.022	0.446	0.014	0.424	0.010	0.407	0.007	0.397	170.6	165.9
0.40	±0.010	±0.005	0.023	0.480	0.015	0.456	0.011	0.439	0.007	0.429	145.3	141.7
0.45	±0.010	±0.006	0.024	0.532	0.016	0.508	0.011	0.490	0.007	0.479	114.2	112.1
0.50	±0.010	±0.006	0.025	0.586	0.017	0.560	0.012	0.542	0.008	0.531	91.43	89.95