

Metric (mm) dimensions for wire gauges				
Gauge number	AWG (U.S.) wire	SWG (British) wire	Washburn & Moen wire	Birmingham (or Stubbs) wire drill rod
7/0		12.7000	12.4460	
6/0		11.7856	11.7221	
5/0		10.9728	10.9347	
4/0	11.684	10.1600	10.0025	
3/0	10.4038	9.4488	9.2075	
2/0	9.2659	8.8392	8.4074	
0	8.2525	8.2296	7.7851	8.636
1	7.3482	7.6200	7.1882	7.620
2	6.543	7.0104	6.6675	7.214
3	5.8268	6.4008	6.1900	6.579
4	5.1892	5.8928	5.7226	6.045
5	4.6203	5.3848	5.2578	5.588
6	4.1148	4.8768	4.8768	5.156
7	3.6652	4.4704	4.4958	4.572
8	3.2639	4.0640	4.1148	4.191
9	2.9566	3.6576	3.7668	3.759
10	2.5883	3.2512	3.4290	3.404
11	2.3038	2.9464	3.0607	3.048
12	2.0523	2.6416	2.6797	2.769
13	1.8288	2.3368	2.3241	2.413
14	1.6281	2.0320	2.0320	2.108
15	1.4503	1.8288	1.8288	1.829
16	1.2903	1.6256	1.5875	1.651
17	1.1506	1.4224	1.3716	1.473
18	1.0236	1.2192	1.2065	1.245
19	0.9119	1.0160	1.0414	1.067
20	0.8128	0.9144	0.8839	0.889
21	0.7239	0.8128	0.8052	0.813
22	0.6426	0.7112	0.7264	0.711
23	0.574	0.6096	0.6553	0.635
24	0.5105	0.5588	0.5842	0.559
25	0.4547	0.5080	0.5182	0.508

Adapted from www.usefulinformation.eu/engineering/wire_gauges_metric.html.

AWG (American wire gauge) applies to copper, steel and most other wires.

SWG (standard wire gauge) was the British Empire standard until metric dimensions were adopted.

Washburn & Moen steel wire gauge is often used in the United States for steel. It is also known as "U.S. steel wire" or "Roebing gauge."

Birmingham or Stubbs (or Stubs) is an older standard still commonly applied to hardened steel wire.

There is also an entirely different Birmingham/Stubbs gauge system applied to tubing and hypodermic needles.