

Wire Gauge / Gage Conversion Chart

S.W.G. (Inches)	Wire Number (Gauge)	A.W.G. or B&S (Inches)	A.W.G. Metric (MM)
0.276	2	0.257627	6543
0.232	4	0.2043	5189
0.192	6	0.162	4115
0.16	8	0.1285	3264
0.144	9	0.1144	2906
0.128	10	0.1019	2588
0.116	11	0.0907	2304
0.104	12	0.0808	2052
0.08	14	0.0641	1628
0.072	15	0.0571	1450
0.064	16	0.0508	1291
0.056	17	0.0453	1150
0.048	18	0.0403	1024
0.036	20	0.032	8128
0.032	21	0.0285	7239
0.028	22	0.0253	6426
0.024	23	0.0226	5740
0.022	24	0.0201	5106
0.02	25	0.0179	4547
0.018	26	0.0159	4038
0.0148	28	0.0126	3200
0.0124	30	0.01	2540
0.0116	31	0.0089	2261
0.0108	32	0.008	2032
0.01	33	0.0071	1803
0.0092	34	0.0063	1601
0.0084	35	0.0056	1422
0.0076	36	0.005	1270
0.0068	37	0.0045	1143
0.006	38	0.004	1016
0.0052	39	0.0035	889
0.0048	40	0.0031	787

Wire Gauges / Gages Arranged In Columns As Follows:

AWG= American Wire Gauge

B&S= Brown & Sharpe

SWG= Imperial Standard Wire Gauge-(British legal standard)

Wire Gauge /Gage :

Values are stated in approximate decimals of an inch excluding the metric numbers. As a number of gauges are in use for various shapes and metals, it is advisable to state the thickness in thousands when specifying in gauge number. Metric wire gauge is 10 times the diameter in millimeters.