

COMPARISON OF GAUGES IN DECIMAL POINTS OF AN INCH

Gauge Number	A.S.W. W. & M.	B.W.G. STUBS	A.W.G. B. & S.	S.W.G. -4	U.S.S. A Weight Gauge Used for Steel Sheets and Plates -5		
	-1	-2	-3		Thickness, Inches		Weight
					Fraction	Decimal	Square Foot Pounds
0	0.49			0.5	1/2	0.5	20.4
0	0.4615		0.58	0.464	15/32	0.46875	19.125
0	0.4305	0.5	0.5165	0.432	7/16	0.4375	17.85
0	0.3938	0.454	0.46	0.4	13/32	0.40625	16.575
0	0.3625	0.425	0.4096	0.372	3/8	0.375	15.3
0	0.331	0.38	0.3647	0.348	11/32	0.34375	14.025
0	0.3065	0.34	0.3248	0.324	5/16	0.3125	12.75
1	0.283	0.3	0.2892	0.3	9/32	0.28125	11.475
2	0.2625	0.284	0.2576	0.276	17/64	0.26563	10.8375
3	0.2437	0.259	0.2294	0.252	1/4	0.25	10.2
4	0.2253	0.238	0.2043	0.232	15/64	0.23438	9.5625
5	0.207	0.22	0.1819	0.212	7/32	0.21875	8.925
6	0.192	0.203	0.162	0.192	13/64	0.20313	8.2875
7	0.177	0.18	0.1442	0.176	3/16	0.1875	7.65
8	0.162	0.165	0.1284	0.16	11/64	0.17188	6.875
9	0.1483	0.148	0.1144	0.144	5/32	0.15625	6.25
10	0.135	0.134	0.1018	0.128	9/64	0.14063	5.625
11	0.1205	0.12	0.0907	0.116	5/32	0.125	5
12	0.1055	0.109	0.0808	0.104	9/64	0.10938	4.375
13	0.0915	0.095	0.0719	0.092	1/8	0.09375	3.75
14	0.08	0.083	0.064	0.08	7/64	0.07813	3.125
15	0.02	0.072	0.057	0.072	9/128	0.07031	2.8125
16	0.0625	0.065	0.0508	0.064	1/16	0.0625	2.5
17	0.054	0.058	0.0452	0.056	9/160	0.05625	2.25
18	0.0475	0.049	0.0403	0.048	1/20	0.05	2
19	0.041	0.042	0.0358	0.04	7/160	0.04375	1.75
20	0.0348	0.035	0.0319	0.036	1/20	0.0375	1.5
21	0.0317	0.032	0.0284	0.032	11/320	0.03438	1.375
22	0.0286	0.028	0.0253	0.028	1/32	0.03125	1.25
23	0.0258	0.025	0.0225	0.024	9/320	0.02813	1.125
24	0.023	0.022	0.0201	0.022	1/40	0.025	1
25	0.0204	0.02	0.0179	0.02	7/320	0.02188	0.875
26	0.0181	0.018	0.0159	0.018	3/160	0.01875	0.75
27	0.0173	0.016	0.0141	0.0164	11/640	0.01719	0.6875
28	0.0162	0.014	0.0126	0.0148	1/64	0.01563	0.625
29	0.015	0.013	0.0112	0.0136	9/640	0.01406	0.5625
30	0.014	0.012	0.01	0.0124	1/80	0.0125	0.5
31	0.0132	0.01	0.0089	0.0116	7/640	0.01094	0.4375
32	0.0128	0.009	0.0079	0.0108	13/1280	0.01016	0.40625
33	0.0118	0.008	0.007	0.01	3/320	0.00938	0.375
34	0.0104	0.007	0.0063	0.0092	11/1280	0.00859	0.34375
35	0.0095	0.005	0.0056	0.0084	1/128	0.00781	0.3125

(1) A.S.W. - (American Steel and Wire) W. & M. (Washburn and Moen) Gauge used for Bright Basic, Black Annealed, Galvanized, Trimmed and Copper Coated Steel Wire.

(2) B.W.G. - (Birmingham Wire Gauge) STUBS' (Stubs' Iron) Gauge used for Galvanized Telephone Wire, Hot and Cold Rolled Strip, Stainless, Brass and Copper Tubes.

(3) A.W.G. - (American Wire Gauge) B. & S. (Brown and Sharp) Gauge used for Bronze, Brass and Copper Wire, Brass and Bronze sheets, Aluminum.

(4) S.W.G. - (British Imperial Standard Wire Gauge)

(5) U.S.S. - (United States Standard) A weight gauge adapted by Congress in 1893, Based on 480 pounds per cubic foot for Wrought Iron, Revised. Manufacturers Standard Rolling Practice is now based on 489.6 pounds per cubic foot for Steel Plates and Sheets. 5/16 inch and thicker sheets classed as plates.