

Sheet metal gauge chart: thickness in inches and mm by material

2. Sheet metal gauge chart in millimetres

Nominal thicknesses, converted from inches and rounded to 0.01 mm. The most used gauges are in bold. A mill tolerance applies on top: the delivered sheet can be slightly thinner or thicker.

Gauge	Steel	Galvanized steel	Stainless	Aluminum
7	4.55	—	4.76	3.67
8	4.18	4.27	4.37	3.26
9	3.80	3.89	3.97	2.91
10	3.42	3.51	3.57	2.59
11	3.04	3.13	3.18	2.30
12	2.66	2.75	2.78	2.05
13	2.28	2.37	2.38	1.83
14	1.90	1.99	1.98	1.63
15	1.71	1.80	1.79	1.45
16	1.52	1.61	1.59	1.29
17	1.37	1.46	1.43	1.15
18	1.21	1.31	1.27	1.02
19	1.06	1.16	1.11	0.91
20	0.91	1.01	0.95	0.81
21	0.84	0.93	0.87	0.72
22	0.76	0.85	0.80	0.64
23	0.68	0.78	0.71	0.57
24	0.61	0.70	0.64	0.51
25	0.53	0.63	0.56	0.45
26	0.45	0.55	0.48	0.40
27	0.42	0.51	0.44	0.36
28	0.38	0.47	0.40	0.32
29	0.34	0.44	0.36	0.29
30	0.30	0.40	0.32	0.25

3. Sheet metal gauge chart in inches

The same gauges in decimal inches, as published in US charts. Steel: Manufacturers' Standard Gauge; galvanized: same base, zinc coating included; stainless: its own series; aluminum: Brown & Sharpe (AWG) series.

Gauge	Steel	Galvanized steel	Stainless	Aluminum
7	0.1793	—	0.1875	0.1443
8	0.1644	0.1681	0.1719	0.1285
9	0.1495	0.1532	0.1563	0.1144
10	0.1345	0.1382	0.1406	0.1019

Gauge	Steel	Galvanized steel	Stainless	Aluminum
11	0.1196	0.1233	0.1250	0.0907
12	0.1046	0.1084	0.1094	0.0808
13	0.0897	0.0934	0.0938	0.0720
14	0.0747	0.0785	0.0781	0.0641
15	0.0673	0.0710	0.0703	0.0571
16	0.0598	0.0635	0.0625	0.0508
17	0.0538	0.0575	0.0563	0.0453
18	0.0478	0.0516	0.0500	0.0403
19	0.0418	0.0456	0.0438	0.0359
20	0.0359	0.0396	0.0375	0.0320
21	0.0329	0.0366	0.0344	0.0285
22	0.0299	0.0336	0.0313	0.0253
23	0.0269	0.0306	0.0281	0.0226
24	0.0239	0.0276	0.0250	0.0201
25	0.0209	0.0247	0.0219	0.0179
26	0.0179	0.0217	0.0188	0.0159
27	0.0164	0.0202	0.0172	0.0142
28	0.0149	0.0187	0.0156	0.0126
29	0.0135	0.0172	0.0141	0.0113
30	0.0120	0.0157	0.0125	0.0100

4. Common metric thicknesses and nearest gauge

For each thickness ordered in Europe, the nearest gauge in each material, with its actual thickness in mm in brackets. None of these thicknesses matches a gauge exactly: on a drawing, dimension the thickness in millimetres.

Thickness (mm)	Steel	Galvanized	Stainless	Aluminum
0.5	25 (0.53)	27 (0.51)	26 (0.48)	24 (0.51)
0.6	24 (0.61)	25 (0.63)	25 (0.56)	23 (0.57)
0.8	21 (0.84)	23 (0.78)	22 (0.80)	20 (0.81)
1	19 (1.06)	20 (1.01)	20 (0.95)	18 (1.02)
1.2	18 (1.21)	19 (1.16)	18 (1.27)	17 (1.15)
1.5	16 (1.52)	17 (1.46)	17 (1.43)	15 (1.45)
2	14 (1.90)	14 (1.99)	14 (1.98)	12 (2.05)
2.5	12 (2.66)	13 (2.37)	13 (2.38)	10 (2.59)
3	11 (3.04)	11 (3.13)	11 (3.18)	9 (2.91)
4	8 (4.18)	9 (3.89)	9 (3.97)	7 (3.67)

Reference values taken from the article <https://www.baouch.fr/en/blog/epaisseur-tole-jauge-gauge-tableau/>, which explains the assumptions, formulas and edge cases. For critical use, check the current standard or the manufacturer's documentation. Free to print and share with credit to the source.