MAX MACHINING

Sheet Gauge Chart

Gauge to decimal thickness. Carbon steel, galvanized steel, stainless steel, aluminum. Inches with millimeters.

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Gauge to decimal

INCHES WITH MILLIMETERS

GAUGE	CARBON STEEL Mfrs. Std. Gauge	GALVANIZED STEEL Mfrs. Std. Gauge	STAINLESS STEEL U.S. Standard	ALUMINUM Brown and Sharpe
3	.2391 6.07 mm	·	·	.2294 5.83 mm
4	.2242 5.69 mm	·	·	.2043 5.19 mm
5	.2092 5.31 mm	·	·	.1819 4.62 mm
6	.1943 4.94 mm	·	·	.1620 4.11 mm
7	.1793 4.55 mm	·	.1875 4.76 mm	.1443 3.67 mm
8	.1644 4.18 mm	.1681 4.27 mm	.1719 4.37 mm	.1285 3.26 mm
9	.1495 3.80 mm	.1532 3.89 mm	.1563 3.97 mm	.1144 2.91 mm
10	.1345 3.42 mm	.1382 3.51 mm	.1406 3.57 mm	.1019 2.59 mm
11	.1196 3.04 mm	.1233 3.13 mm	.1250 3.17 mm	.0907 2.30 mm
12	.1046 2.66 mm	.1084 2.75 mm	.1094 2.78 mm	.0808 2.05 mm
13	.0897 2.28 mm	.0934 2.37 mm	.0938 2.38 mm	.0720 1.83 mm
14	.0747 1.90 mm	.0785 1.99 mm	.0781 1.98 mm	.0641 1.63 mm
15	.0673 1.71 mm	.0710 1.80 mm	.0703 1.79 mm	.0571 1.45 mm
16	.0598 1.52 mm	.0635 1.61 mm	.0625 1.59 mm	.0508 1.29 mm
17	.0538 1.37 mm	.0575 1.46 mm	.0563 1.43 mm	.0453 1.15 mm
18	.0478 1.21 mm	.0516 1.31 mm	.0500 1.27 mm	.0403 1.02 mm
19	.0418 1.06 mm	.0456 1.16 mm	.0438 1.11 mm	.0359 0.91 mm
20	.0359 0.91 mm	.0396 1.01 mm	.0375 0.95 mm	.0320 0.81 mm
21	.0329 0.84 mm	.0366 0.93 mm	.0344 0.87 mm	.0285 0.72 mm
22	.0299 0.76 mm	.0336 0.85 mm	.0313 0.80 mm	.0253 0.64 mm
23	.0269 0.68 mm	.0306 0.78 mm	.0281 0.71 mm	.0226 0.57 mm
24	.0239 0.61 mm	.0276 0.70 mm	.0250 0.64 mm	.0201 0.51 mm
25	.0209 0.53 mm	.0247 0.63 mm	.0219 0.56 mm	.0179 0.45 mm
26	.0179 0.45 mm	.0217 0.55 mm	.0188 0.48 mm	.0159 0.40 mm
28	.0149 0.38 mm	.0187 0.47 mm	.0156 0.40 mm	.0126 0.32 mm
30	.0120 0.30 mm	.0157 0.40 mm	.0125 0.32 mm	.0100 0.25 mm

Common aluminum sheet

DECIMAL, NOT GAUGE

THICKNESS in	METRIC	NEAREST GAUGE
.0250	0.64 mm	22 ga (.0253)
.0320	0.81 mm	20 ga (.0320)
.0400	1.02 mm	18 ga (.0403)
.0500	1.27 mm	16 ga (.0508)
.0630	1.60 mm	14 ga (.0641)
.0800	2.03 mm	12 ga (.0808)
.0900	2.29 mm	11 ga (.0907)
.1000	2.54 mm	10 ga (.1019)
.1250	3.17 mm	8 ga (.1285)
.1600	4.06 mm	6 ga (.1620)
.1900	4.83 mm	no gauge match
.2500	6.35 mm	no gauge match

NOTE

Aluminum is ordered by decimal thickness, not gauge. Steel gauge numbers follow the Manufacturers' Standard Gauge; stainless uses the U.S. Standard gauge, which runs slightly heavier. Mill tolerance applies to every value. For a part that cares about thickness, call out the decimal and the tolerance on the print.