



# Sheet Metal Conversion Chart

## Inch (in.)

## Metric (mm)

Gage No.	Steel	Stainless Steel	Aluminum
7	0.179		
8	0.164	0.172	
9	0.150	0.156	
10	0.135	0.141	
11	0.120	0.125	
12	0.105	0.109	
13	0.090	0.094	0.072
14	0.075	0.078	0.064
15	0.067	0.070	0.057
16	0.060	0.063	0.051
17	0.054	0.056	0.045
18	0.048	0.050	0.040
19	0.042	0.044	0.036
20	0.036	0.038	0.032
21	0.033	0.034	0.028
22	0.030	0.031	0.025
23	0.027	0.028	0.023
24	0.024	0.025	0.020
25	0.021	0.022	0.018
26	0.018	0.019	0.017
27	0.016	0.017	0.014
28	0.015	0.016	
29	0.014	0.017	
30	0.012	0.013	
31		0.011	

Gage No.	Steel	Stainless Steel	Aluminum
7	4.55		
8	4.17	4.37	
9	3.81	6.95	
10	3.43	3.58	
11	3.05	3.18	
12	2.67	2.77	
13	2.29	2.39	1.83
14	1.91	1.98	1.63
15	1.70	1.78	1.45
16	1.52	1.60	1.30
17	1.37	1.42	1.14
18	0.12	1.27	1.02
19	1.07	1.12	0.91
20	0.91	0.97	0.81
21	0.84	0.86	0.71
22	0.76	0.79	0.64
23	0.69	0.71	0.58
24	0.61	0.64	0.51
25	0.53	0.56	0.46
26	0.46	0.59	0.43
27	0.41	0.43	0.36
28	0.38	0.41	
29	0.36	0.36	
30	0.30	0.33	
31		0.28	

## Inch – Metric Conversion Table

Characteristic	When You Know	Multiply By	To Find	When You Know	Multiply By	To Find
Length	Inches	25.4	Millimeters (mm)	Millimeters (mm)	0.03937	Inches
Area	Square Inches	645.16	Square Millimeters	Square Millimeters	0.00155	Square inches
Plating Thickness	Inches	25400	µm	µm	3.937 x 10 <sup>-5</sup>	Inches
Force	Pounds	4.448	Newtons (N)	Newtons (N)	0.2248	Pounds
Torque	Inch-pounds	0.113	Newton-meters (N•m)	Newton-meters (N•m)	8.851	Inch-pounds
Stress	PSI	0.006895	MPa	MPa	145.04	PSI
Stress	KSI	6.895	MPa	MPa	0.14504	KSI