



Sheet Metal Gauge Thickness

A reoccurring problem that we face is when customers call out material thickness using gauges. It often goes unnoticed that Cold rolled steel (CRS), Aluminum and Stainless steel (SS) use different gauges. Customers will use a gauge call out referring to CRS gauge chart but then specify that the part be made out of aluminum. To help avoid this confusion we have put together some recommendations.

- If possible send a 3d model along with your prints.
- Dimension the material thickness in the part drawing.
- Don't use gauge call outs on aluminum parts.
- Insure the note call outs are correct. (material type and thickness)
- Use the gauge charts listed below.

Gage #	Steel	Stainless	Aluminum	Gage #	Steel	Stainless	Aluminum
7	0.179	-	-	19	0.042	0.044	0.046
8	0.164	0.172	-	20	0.036	0.038	0.040
9	0.150	0.156	-	21	0.033	0.034	0.037
10	0.135	0.141	-	22	0.030	0.031	0.034
11	0.120	0.125	-	23	0.027	0.028	0.031
12	0.105	0.109	-	24	0.024	0.025	0.028
13	0.090	0.094	0.093	25	0.021	0.022	0.025
14	0.075	0.078	0.079	26	0.018	0.019	0.022
15	0.067	0.070	0.071	27	0.016	0.017	0.019
16	0.060	0.063	0.064	28	0.015	0.016	-
17	0.054	0.056	0.058	29	0.014	0.014	-
18	0.048	0.050	0.052	30	0.012	0.013	-
				31	-	0.011	