

## Technical Resources from [Trick-Tools.com](http://Trick-Tools.com)

Approximate shearing, bending, and forming capacities for various types of material compared to mild steel.

Mild Steel Capacity (Gauge)	24	22	20	18	16	12
<b>Iron</b>						
Dead Soft	24	22	20	18	16	12
<b>Steel</b>						
Low Carbon HR	24	22	20	18	16	12
Low Carbon CR	24	22	20	18	16	12
40%- 50% Carbon HR	28	26	24	22	20	16
1074, 1095 CR						
Annealed Spring Steel	28	26	24	22	20	16
Low Carbon CR Hard	26	24	22	20	18	16
<b>Stainless Steel</b>						
Annealed	28	26	24	22	20	16
<b>Aluminum</b>						
1100-O, 2024-O, 1100-H16	.045	.057	.068	.090	.120	.200
2024-T3, 5052-H34, 6061-T6, 7075-T4	.030	.036	.048	.063	.090	.125
<b>Copper and Alloys</b>						
Electrolytic Copper	22	20	18	16	14	10
Bronze Commercial	22	20	18	16	14	10
Brass 70-30	22	20	18	16	14	10
<b>Nickel Alloys</b>						
Inconel 600, Monel R405						
Nickel 200A, Annealed	28	26	24	22	20	16
<b>Zinc</b>						
As rolled 24	22	20	18	16	12	
<b>Plastics</b>						
ABS Compounds	.060	.090	.120	.150	.200	.250
Polycarbonate	.048	.063	.075	.105	.125	.188
<b>Approx Gauge Equivalents</b>						
Gauge	24	22	20	18	16	12
Inch	.024	.030	.036	.048	.060	.105
Millimeter	.61	.76	.91	1.22	1.60	2.67