

METAL DENSITY

Specific Gravity is a relative (unitless) measure of the weight of a material. It is the ratio of the density of a material with that of water.

Comparative Density and Specific Gravity of Metals

Metal	Density (lb/in ³)	Specific Gravity
Magnesium	.064	1.77
Aluminum	.098	2.70
Titanium	.161	4.51
Chromium	.250	6.92
Zinc	.258	7.14
Tin	.264	7.30
Stainless Steel (Type 410)	.278	7.70
Iron/Steel	.284	7.87
Stainless Steel (Type 304)	.285	7.90
Muntz Metal	.303	8.39
Cartridge Brass	.308	8.53
Commercial Bronze	.318	8.80
Monel	.319	8.83
Nickel	.321	8.90
Nickel Silver	.323	8.95
Copper	.323	8.96
Silver	.379	10.49
Lead	.409	11.34
Gold	.687	19.32