

Metal	Grade	DENSITY	
		Metric Grams per Cubic Cm	English Pounds per Cubic Inch
Aluminum		2.77	0.100
Beryllium Copper	CDA 170 & 172	8.55	0.032
Brass & Bronze		–	–
Aluminum Bronze	CDA 608	8.17	0.295
Cartridge Brass	CDA 260	8.53	0.308
Yellow Brass	CDA 270	8.47	0.306
Curpo-Nickel 20%	CDA 710	8.94	0.323
Free Cutting Brass Rod	CDA0360	8.51	0.307
Naval Brass	CDA 465	8.41	0.304
Nickel Silver 18%	CDA 770	8.71	0.314
Phosphor Bronze	CDA 510	8.86	0.320
Silicon Bronze – High	CDA 655	8.53	0.308
Silicon Bronze – Low	CDA 151	8.75	0.316
Copper	CDA 102 & 110	8.96	0.323
Gold		19.32	0.697
Inconel		8.51	0.307
Lead		11.34	0.410
Magnesium		1.69	0.061
Monel "400"		8.83	0.319
Monel "K" 500		8.47	0.306
Nickel 200		8.91	0.321
Silver		10.51	0.378
Stainless Steel T304		8.03	0.290
Stainless Steel T305		8.03	0.290
Stainless Steel T316		8.03	0.290
Stainless Steel T416		7.75	0.280
Steel – Carbon		7.85	0.283
Titanium Alloy (4% AL, 4% Mn)		4.51	0.163

Weight per lineal foot	=	Area (Sq In.) x 12 x Density (Pounds per Cubic in.)	
Round Rod	=	.7854 x (D ²) x 12 x Density	
Hex Rod	=	.8660 x (D ²) x 12 x Density	
Octagon Rod	=	.8285 x (D ²) x 12 x Density	
Square Rod	=	D ² x 12 x Density	
Rectangular Rod	=	W x T x 12 x Density	
Straight Weight per Linear Inch	=	T x W x Density	D = Diamter (distance between two flats)
Straight Weight per Linear Foot	=	T x W x 12 x Density	
Straight Weight per Blank	=	T x W x L (inch) x Density	T = Thickness
Straight Weight per Square Inch	=	T x Density	L = Length
Straight Weight per Square Foot	=	T x Density x 144	W = Width

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