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Pounds per Cubic Inch					
Aluminum		Copper Alloys		Nickel Alloys	
Alloy	lb/cu in	Alloy	lb/cu in	Alloy	lb/cu in
Nom.	0.100	CDA 110	0.323	Nickel	0.322
1100	0.098	CDA 230	0.316	Monel	0.319
2011	0.102	CDA 360	0.308	Inconel	0.307
2024	0.101	CDA 464	0.304	Misc Metals	
3003	0.099	Stainless Steel		Carbon Steel	0.280
5052	0.097	Alloy	lb/cu in	Lead	0.410
6061	0.098	300 Series	0.290	Magnesium	0.064
6063	0.097	400 Series	0.280	Tin	0.264
7075	0.101	17-4	0.280	Titanium	0.162
Formulae for Weight					
Sheets	Length x Width x t x w			=lbs per piece	
Circles	.785 x D ² x t x w			=lbs per piece	
Rings	.785 x (D + d) x (D - d) x t x w			=lbs per piece	
Round Rods	D ² x 9.42 x w			=lbs per foot	
Square Bars	D ² x 12 x w			=lbs per foot	
Rectangular Bars	Thickness x Width x 12 x w			=lbs per foot	
Hexagonal Rods	D ² x 10.39 x w			=lbs per foot	
D = Outside diameter (or dimension) in inches d = Inside diameter in inches t = Thickness in inches w = Pounds per cubic inch					
Round Tubing	37.7 x w x t x (D-t)			=lbs per foot	
Square Tubing	48.0 x w x t x (D-t)			=lbs per foot	
D = Outside diameter (or dimension) in inches t = Wall thickness in inches w = Pounds per cubic inch					
LINEAR MEASURE CONVERSION					
1 Inch	=	25.4 Millimeters	1 Millimeter	=	0.03937 Inches
1 Inch	=	2.54 Centimeters	1 Centimeter	=	.3937 Inches
1 Foot	=	30.48 Centimeters	1 Meter	=	39.37 Inches
1 Yard	=	.9144 Meters	1 Meter	=	1.0936 Yards
WEIGHT CONVERSION					
1 Pound = .4536 Kilograms * 1 Kilogram = 2.2049 Pounds					
1 Short Ton	.....	2,000 Pounds	.....	907.18 Kilograms	
1 Long Ton	.....	2,240 Pounds	.....	1,016 Kilograms	
1 Metric Ton	.....	2,205 Pounds	.....	1,000 Kilograms	
STRENGTH CONVERSION					
To Convert From	To		Multiply by		
pound/sq. inch (psi)	ksi (1000psi)		0.001		
ksi	megapascal (Mpa)		6.895		
pound/sq. inch (psi)	megapascal (Mpa)		0.006895		
Newton/sq. millimeter (N/mm ²)	megapascal (Mpa)		1		
pound/sq. inch (psi)	Newton/square millimeter (N/mm ²)		0.006895		
ksi	Newton/square millimeter (N/mm ²)		6.895		
ksi	kilogram/square millimeter		0.704		