

Metric Conversion Chart

MULTIPLY	BY	TO OBTAIN
LENGTH		
Millimeter	.03937	Inch
Centimeter	.3937	Inch
Meter	39.37	Inch
Inch	2.54	Centimeter
Feet	30.48	Centimeter
Feet	.3048	Meter
ROTATION		
RPM	.1047	Rad./Sec.
RPM	6.00	Degrees/Sec.
Degrees/Sec.	.1667	RPM
Rad./Sec	9.549	RPM
VELOCITY		
Centimeter/second	.3937	Inches/Second
Centimeter/second	1.969	Feet/Minute
Meter/second	3.281	Feet/Second
Meter/second	196.9	Feet/Minute
Meter/second	2.237	Miles per hour
Inch/second	25.4	Millimeters/Second
Inch/second	2.54	Centimeters/Second
Foot/second	.3048	Meters/Second
Foot/minute	.00508	Meters/Second
VOLUME		
Centimeter ³	.0610	Inches ³
Centimeter ³	.034	Fluid Ounce
Liter	61.02	Inches ³
Liter	.0353	Feet ³
Liter	.264	U.S. Gallon
Inch ³	16.39	Centimeter ³
Feet ³	28.32	Liter
Gallon	3.785	Liter
WEIGHT		
Gram	.03527	Ounce
Kilogram	35.27	Ounce
Kilogram	2.205	Pounds
Ounce	28.35	Grams
Pound	453.6	Grams

MULTIPLY	BY	TO OBTAIN
AREA		
Millimeters ²	.00155	Inches ²
Centimeters ²	.155	Inches ²
Meters ²	10.76	Feet ²
Inches ²	645.16	Millimeters ²
Inches ²	6.452	Centimeters ²
Feet ²	929.03	Centimeters ²
Feet ²	.0929	Meters ²
DENSITY		
lg/cm ³	.03613	Lb/In ³
lg/cm ³	62.43	Lb/Ft ³
lb/in ³	27.68	Gr/Cm ³
lb/ft ³	.016	G/Cm ³
lb/ft ³	16.02	Kg/M ³
MOMENT OF INERTIA		
Newton-Meters ²	2.42	Lb. Ft. ²
Oz.-In. ²	.000434	Lb. Ft. ²
Lb.-In. ²	.00694	Lb. Ft. ²
Slug-Ft. ²	32.17	Lb. Ft. ²
Oz.-In.-Sec. ²	.1675	Lb. Ft. ²
Lb.-In.-Sec. ²	2.68	Lb. Ft. ²
POWER		
Joule/sec	.001341	Horsepower
Kilocalorie/hour	3.967	BTW/Hour
Horsepower	.33000	Lb. Ft./Min.
Horsepower	746	Watts
BTU/hour	.2521	Kilocalorie/Hour
Watts	.00134	Horsepower
TORQUE		
Newton-meter	8.84	Lb. In.
Lb. In.	.113	Newton-Meter
Lb. Ft.	1.3558	Newton-Meter
Lb. Ft.	12	Lb. In.