

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. |