



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
A	1	Amperes
Abcoulombs	$2.998 \times 10^{10}$	Statcoulombs
Acre-feet	43,560	Cubic feet
Acre-feet	1233.49	Cubic meters
Acre-feet	325,851	Gallons
Acres	.4047	Hectares
Acres	43,560	Square feet
Acres	4,047	Square meters
Acres	.001562	Square miles
Acres	4,840	Square yards
Ampere-hours	3,600	Coulombs
Ampere-hours	.03731	Faradays
Ampere-turns	1.257	Gilberts
Angstrom unit	$3.937 \times 10^{-9}$	Inches
Angstrom unit	$10^{-10}$	Meters
Ares	.02471	Acres
Ares	100	Sq. meters
Astronomical units	$1.495 \times 10^8$	Kilometers
Atmospheres	1.01325	Bars
Atmospheres	76.0	Cm. Of mercury
Atmospheres	33.90	Feet of water
Atmospheres	29.92	Inches of mercury
Atmospheres	10,333	Kilograms/sq. meter
Atmospheres	101.325	KiloPascals
Atmospheres	101,325	Pascals
Atmospheres	14.70	Pounds/sq. inch
Atmospheres	1.058	Tons/sq. foot
B.T.U.	$1.055 \times 10^{10}$	Ergs
B.T.U.	778.2	Foot-pounds
B.T.U.	252.2	Gram calories
B.T.U.	$3.930 \times 10^{-4}$	Horsepower-hours
B.T.U.	1,055	Joules
B.T.U.	.2522	Kilocalories
B.T.U.	107.6	Kilogram-meters
B.T.U.	$2.931 \times 10^{-4}$	Kilowatt-hours
B.T.U.	10.409	Liter-Atmospheres
B.T.U./hour	.2162	Foot-pounds/second
B.T.U./hour	.0700	Gram-calories/second
B.T.U./hour	$3.930 \times 10^{-4}$	Horsepower
B.T.U./hour	.2931	Watts
B.T.U./minute	12.97	Foot-pounds/second
B.T.U./minute	.02358	Horsepower
B.T.U./minute	.01758	Kilowatts
B.T.U./minute	17.58	Watts
B.T.U./sq. foot/minute	.1221	Watts/sq. inch
Bags (cement)	94	Pounds
Barrels (cement)	376	Pounds



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Barrels (dry)	7056	Cubic inches
Barrels (dry)	105.0	Quarts (dry)
Barrels (liquid)	31.5	Gallons
Barrels (oil)	42	Gallons
Bars	.9869	Atmospheres
Bars	1,000,000	Dynes/sq. centimeter
Bars	10,200	Kilograms/sq.meter
Bars	100	KiloPascals
Bars	750.0	Millimeters of mercury
Bars	100,000	Pascals
Bars	14.50	Pounds/sq. inch
Baryls	1	Dynes/sq. centimeter
Board feet	144	Cubic inches
Bolts (US Cloth)	40	Yards
Buckets (British, Dry)	18.18	Liters
Bushels	1.2445	Cu. feet
Bushels	2150.4	Cu. inches
Bushels	.03524	Cu. meters
Bushels	35.24	Liters
Bushels	4	Pecks
Bushels	64	Pints (dry)
Bushels	32	Quarts (dry)
C	1	Coulombs
Calories (gram)	.003966	B.T.U.
Calories (gram)	.001	Calories (kilogram)
Calories (gram)	41,840,000	Ergs
Calories (gram)	.001	Food calories
Calories (gram)	3.0860	Foot-pounds
Calories (gram)	$1.559 \times 10^{-6}$	Horsepower-hours
Calories (gram)	.001	Kilocalories
Calories (gram)	$1.162 \times 10^{-6}$	Kilowatt-hours
Calories (kilogram)	3.966	B.T.U.
Calories (kilogram)	1,000	Calories (gram)
Calories (kilogram)	1	Food calories
Calories (kilogram)	3,086	Foot-pounds
Calories (kilogram)	.001559	Horsepower-hours
Calories (kilogram)	4,184	Joules
Calories (kilogram)	1	Kilocalories
Calories (kilogram)	426.8	Kilogram-meters
Calories (kilogram)	.001162	Kilowatt-hours
Candela/sq. centimeter	3.142	Lamberts
Candela/sq. inch	.4869	Lamberts
Candela/sq. meter	.0003142	Lamberts
Carats	3.086	Grains
Centares (Centiares)	1	Square meters
Centigrams	.01	Grams
Centiliters	.01	Liters



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Centimeter-dynes	.00102	Centimeter-grams
Centimeter-dynes	$1.020 \times 10^{-8}$	Meter-kilograms
Centimeter-dynes	$7.376 \times 10^{-8}$	Pound-feet
Centimeter-grams	980.7	Centimeter-dynes
Centimeter-grams	$10^{-5}$	Meter-kilograms
Centimeter-grams	$7.233 \times 10^{-5}$	Pound-feet
Centimeters	.03281	Feet
Centimeters	.3937	Inches
Centimeters	.01	Meters
Centimeters	10	Millimeters
Centimeters	393.7	Mils
Centimeters of mercury	.01316	Atmospheres
Centimeters of mercury	.4461	Feet of water
Centimeters of mercury	136.0	Kilograms/sq. meter
Centimeters of mercury	27.85	Pounds/sq. foot
Centimeters of mercury	.1934	Pounds/sq. inch
Centimeters/sec./sec.	.03281	Feet/sec./sec.
Centimeters/second	1.969	Feet/minute
Centimeters/second	.03281	Feet/second
Centimeters/second	.036	Kilometers/hour
Centimeters/second	.6	Meters/minute
Centimeters/second	.02237	Miles/hour
Centimeters/second	$3.728 \times 10^{-4}$	Miles/minute
Centipoise	1	Millipascal-seconds
Centipoise	.001	Pascal-seconds
Centistokes	$10^{-6}$	Sq. meters/second
Centistokes	1	Sq. millimeters/second
Chains	792	Inches
Chains	20.12	Meters
Chains	22	Yards
Circular mils	$5.067 \times 10^{-6}$	Sq. centimeters
Circular mils	$7.854 \times 10^{-7}$	Sq. inches
Circular mils	.7854	Sq. mils
Circumference	6.2832	Radians
Cord feet	16	Cu. feet
Cords	8	Cord feet
Coulombs	$1.036 \times 10^{-5}$	Faradays
Coulombs	$2.998 \times 10^9$	Statcoulombs
Coulombs/sq. centimeter	64.52	Coulombs/sq. inch
Coulombs/sq. inch	.1550	Coulombs/sq. cm
Cubic centimeters	$3.531 \times 10^{-5}$	Cubic feet
Cubic centimeters	.06102	Cubic inches
Cubic centimeters	.000001	Cubic meters
Cubic centimeters	$1.308 \times 10^{-6}$	Cubic yards
Cubic centimeters	$2.642 \times 10^{-4}$	Gallons
Cubic centimeters	.001	Liters
Cubic centimeters	.002113	Pints (liquid)



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Cubic centimeters	.001057	Quarts (liquid)
Cubic feet	.8036	Bushels (dry)
Cubic feet	28,320	Cubic centimeters
Cubic feet	1728	Cubic inches
Cubic feet	.02832	Cubic meters
Cubic feet	.03704	Cubic yards
Cubic feet	7.48052	Gallons
Cubic feet	28.32	Liters
Cubic feet	59.84	Pints (liquid)
Cubic feet	62.43	Pounds of water
Cubic feet	29.92	Quarts (liquid)
Cubic feet/minute	472.0	Cu. Centimeters/second
Cubic feet/minute	.1247	Gallons/second
Cubic feet/minute	.4720	Liters/second
Cubic feet/minute	62.43	Pounds of water/minute
Cubic feet/second	.646317	Millions of gallons/day
Cubic feet/second	448.831	Gallons/minute
Cubic inches	16.39	Cubic centimeters
Cubic inches	$5.787 \times 10^{-4}$	Cubic feet
Cubic inches	$1.639 \times 10^{-5}$	Cubic meters
Cubic inches	$2.143 \times 10^{-5}$	Cubic yards
Cubic inches	.004329	Gallons
Cubic inches	.01639	Liters
Cubic inches	106,100	Mil-feet
Cubic inches	.03463	Pints (liquid)
Cubic inches	.01732	Quarts (liquid)
Cubic meters	28.38	Bushels (dry)
Cubic meters	1,000,000	Cubic centimeters
Cubic meters	35.31	Cubic feet
Cubic meters	61,023	Cubic inches
Cubic meters	1.308	Cubic yards
Cubic meters	264.2	Gallons
Cubic meters	1000	Liters
Cubic meters	2113	Pints (liquid)
Cubic meters	1057	Quarts (liquid)
Cubic yards	764,600	Cubic centimeters
Cubic yards	27	Cubic feet
Cubic yards	46,656	Cubic inches
Cubic yards	.7646	Cubic meters
Cubic yards	202.0	Gallons
Cubic yards	764.6	Liters
Cubic yards	1616	Pints (liquid)
Cubic yards	807.9	Quarts (liquid)
Cubic yards/minute	.45	Cubic feet/second
Cubic yards/minute	3.367	Gallons/second
Cubic yards/minute	12.74	Liters/second
Cycles/second	1	Hertz



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Days	86,400	Seconds
Decigrams	.1	Grams
Deciliters	.1	Liters
Decimeters	.1	Meters
Degrees (angle)	.01111	Quadrants
Degrees (angle)	.01745	Radians
Degrees (angle)	3600	Seconds
Degrees (Celsius)	(°Cx9/5)+32	Degrees (Fahrenheit)
Degrees (Celsius)	°C+273.15	Degrees (Kelvin)
Degrees (Fahrenheit)	(°F-32)x5/9	Degrees (Celsius)
Degrees (Fahrenheit)	°F+459.67	Degrees (Rankine)
Degrees (Kelvin)	°K-273.15	Degrees (Celsius)
Degrees (Rankine)	°R-459.67	Degrees (Fahrenheit)
Degrees/second (angle)	.01745	Radians/second
Degrees/second (angle)	.1667	Revolutions/minute
Degrees/second (angle)	.002778	Revolutions/second
Dekagrams	10	Grams
Dekaliters	10	Liters
Dekameters	10	Meters
Drams	27.34375	Grains
Drams	1.771845	Grams
Drams	.0625	Ounces
Drams (troy)	.1371429	Ounces
Drams (troy)	.125	Ounces (troy)
Dyne-centimeters	1	Ergs
Dynes	1	Gram-cm./sec <sup>2</sup>
Dynes	10 <sup>-7</sup>	Joules/centimeter
Dynes	1.020x10 <sup>-6</sup>	Kilograms
Dynes	10 <sup>-5</sup>	Newtons
Dynes	7.233x10 <sup>-5</sup>	Poundals
Dynes	2.248x10 <sup>-6</sup>	Pounds
Dynes/centimeter	.01	Ergs/sq.millimeter
Dynes/sq. centimeter	9.869x10 <sup>-7</sup>	Atmospheres
Dynes/sq. centimeter	10 <sup>-6</sup>	Bars
EM (Pica)	.4233	Centimeters
EM (Pica)	.167	Inches
Ergs	9.478x10 <sup>-11</sup>	B.T.U.
Ergs	2.390x10 <sup>-8</sup>	Calories (gram)
Ergs	1	Dyne-centimeters
Ergs	7.376x10 <sup>-8</sup>	Foot-pounds
Ergs	.00102	Gram-centimeters
Ergs	3.725x10 <sup>-14</sup>	Horsepower-hours
Ergs	10 <sup>-7</sup>	Joules
Ergs	2.390x10 <sup>-11</sup>	Kilocalories
Ergs	1.020x10 <sup>-8</sup>	Kilogram-meters
Ergs	2.778x10 <sup>-14</sup>	Kilowatt-hrs.
Ergs	2.778x10 <sup>-11</sup>	Watt-hours



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Ergs/second	$5.688 \times 10^{-9}$	B.T.U./minute
Ergs/second	1	Dyne-cm./sec.
Ergs/second	$4.427 \times 10^{-6}$	Foot-pounds/minute
Ergs/second	$7.3756 \times 10^{-8}$	Foot-pounds/second
Ergs/second	$1.341 \times 10^{-10}$	Horsepower
Ergs/second	$1.433 \times 10^{-9}$	Kilocalories/minute
F	1	Farads
Faradays	26.80	Ampere-hours
Faradays	96,490	Coulombs
Faradays/sec.	96,490	Amperes
Farads	1,000,000	Microfarads
Fathoms	1.8288	Meters
Fathoms	6	Feet
Feet	30.48	Centimeters
Feet	12	Inches
Feet	$3.048 \times 10^{-4}$	Kilometers
Feet	.3048	Meters
Feet	$1.894 \times 10^{-4}$	Miles
Feet	$1.645 \times 10^{-4}$	Miles (nautical)
Feet	304.8	Millimeters
Feet	.3333	Yards
Feet of water	.02950	Atmospheres
Feet of water	.8826	Inches of mercury
Feet of water	.03048	Kilograms/sq. cm.
Feet of water	304.8	Kilograms/sq. meter
Feet of water	62.43	Pounds/sq. foot
Feet of water	.4335	Pounds/sq. inch
Feet/minute	.5080	Centimeters/second
Feet/minute	.01667	Feet/second
Feet/minute	.01829	Kilometers/hour
Feet/minute	.3048	Meters/minute
Feet/minute	.01136	Miles/hour
Feet/sec./sec.	30.48	Centimeters/sec./sec.
Feet/sec./sec.	.3048	Meters/sec./sec.
Feet/sec./sec.	1.097	Kilometers/hr./sec.
Feet/sec./sec.	.6818	Miles/hour/sec.
Feet/second	30.48	Centimeters/second
Feet/second	1.097	Kilometers/hour
Feet/second	.5921	Knots
Feet/second	18.29	Meters/minute
Feet/second	.6818	Miles/hour
Feet/second	.01136	Miles/minute
Foot candles	10.764	Lumens/sq. meter
Footlamberts	3.426	Candela/square meter
Foot-pound/second	.001356	Kilowatts
Foot-pounds	.001285	B.T.U.
Foot-pounds	13,560,000	Ergs



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Foot-pounds	.3240	Gram Calories
Foot-pounds	5.051x10 <sup>-7</sup>	Horsepower-hours
Foot-pounds	1.356	Joules
Foot-pounds	3.240x10 <sup>-4</sup>	Kilocalories
Foot-pounds	.1383	Kilogram-meters
Foot-pounds	3.766x10 <sup>-7</sup>	Kilowatt-hours
Foot-pounds	1.356	Newton-meters
Foot-pounds/minute	.001285	B.T.U./minute
Foot-pounds/minute	.01667	Foot-pounds/sec.
Foot-pounds/minute	3.030x10 <sup>-5</sup>	Horsepower
Foot-pounds/minute	3.240x10 <sup>-4</sup>	Kilocalories/minute
Foot-pounds/minute	2.260x10 <sup>-5</sup>	Kilowatts
Foot-pounds/second	.07710	B.T.U./minute
Foot-pounds/second	4.6262	B.T.U./hour
Foot-pounds/second	.001818	Horsepower
Foot-pounds/second	.01944	Kilocalories/minute
Furlongs	660	Feet
Furlongs	.125	Miles
Furlongs	40	Rods
Gallons	3785	Cubic centimeters
Gallons	.1337	Cubic feet
Gallons	231.0	Cubic inches
Gallons	.003785	Cubic meters
Gallons	.004951	Cubic yards
Gallons	.83267	Gallons (Imperial)
Gallons	3.785	Liters
Gallons	8	Pints (liquid)
Gallons	8.3453	Pounds of water
Gallons	4	Quarts (liquid)
Gallons (Imperial)	1.20095	Gallons
Gallons/minute	8.0208	Cubic feet/hour
Gallons/minute	.002228	Cubic feet/second
Gallons/minute	.06308	Liters/sec.
Gallons/minute	6.0086	Tons of water/24 hrs.
Gausses	6.452	Lines/sq. inch
Gausses	10 <sup>-8</sup>	Teslas
Gausses	10 <sup>-8</sup>	Webers/sq. cm.
Gausses	6.452x10 <sup>-8</sup>	Webers/sq. in.
Gausses	10 <sup>-4</sup>	Webers/sq. meter
Gilberts	.7958	Ampere-turns
Gilberts/centimeter	.7958	Ampere-turns/cm.
Gilberts/centimeter	2.021	Ampere-turns/inch
Gilberts/centimeter	79.58	Ampere-turns/meter
Gills	.1183	Liters
Gills	.25	Pints (liquid)
Gills (British)	142.07	Cu. centimeters
Grade percentage	.9001	Degrees



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Grains	.0365714	Drams
Grains	.06480	Grams
Grains	.002083	Ounces (troy)
Grains	.04167	Pennyweights (troy)
Grains	1	Grains
Grains/gallon	17.118	Parts/million
Grains/gallon	142.86	Pounds/million gallons
Grains/Imp. gallon	14.254	Parts/million
Gram/centimeters	$9.295 \times 10^{-8}$	B.T.U.
Gram-centimeters	980.7	Ergs
Gram-centimeters	$2.344 \times 10^{-8}$	Kilocalories
Gram-centimeters	$10^{-5}$	Kilogram-meters
Gram-centimeters/sec. <sup>2</sup>	1	Dynes
Grams	980.7	Dynes
Grams	15.43	Grains
Grams	.001	Kilograms
Grams	1000	Milligrams
Grams	.03527	Ounces
Grams	.03215	Ounces (troy)
Grams	.07093	Poundals
Grams	.002205	Pounds
Grams/centimeter	.005600	Pounds/inch
Grams/cu. centimeter	62.43	Pounds/cubic foot
Grams/cu. Centimeter	.03613	Pounds/cubic inch
Grams/liter	58.417	Grains/gallon
Grams/liter	8.345	Pounds/1000 gallons
Grams/liter	.062427	Pounds/cubic foot
Grams/liter	1000	Parts/million
Grams/sq. centimeter	2.0481	Pounds/sq. foot
g's (gravity)	32.174	feet/sec/sec
g's (gravity)	9.806650	meters/sec/sec
H	1	Henries
Hands	4	Inches
Hectares	2.471	Acres
Hectares	10,000	Square meters
Hectares	107,600	Square feet
Hectograms	100	Grams
Hectoliters	100	Liters
Hectometers	100	Meters
Hectowatts	100	Watts
Hertz	1	Cycles/second
Hogsheads	8.42184	Cubic feet
Hogsheads	63	Gallons
Hogsheads	10.114	Cubic feet
Horsepower	42.41	B.T.U./minute
Horsepower	33,000	Foot-pounds/min.
Horsepower	550	Foot-pounds/sec.





800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Horsepower	1.014	Horsepower (metric)
Horsepower	10.69	Kilocalories/minute
Horsepower	.7457	Kilowatts
Horsepower	745.7	Watts
Horsepower (boiler)	33,479	B.T.U./hour
Horsepower (boiler)	9.803	Kilowatts
Horsepower (metric)	.9863	Horsepower
Horsepower-hours	2544	B.T.U.
Horsepower-hours	641,600	Calories (gram)
Horsepower-hours	2.685x10 <sup>13</sup>	Ergs
Horsepower-hours	1,980,000	Foot-pounds
Horsepower-hours	2,684,520	Joules
Horsepower-hours	641.6	Kilocalories
Horsepower-hours	273,700	Kilogram-meters
Horsepower-hours	.7457	Kilowatt-hours
Hundredweights	1600	Ounces
Hundredweights	100	Pounds
Hundredweights	.05	Tons
Hundredweights	.0446429	Tons (long)
Hundredweights	.0453592	Tons (metric)
Hundredweights (long)	112	Pounds
Hundredweights (long)	.05	Tons (long)
Inches	2.54	Centimeters
Inches	.0254	Meters
Inches	25.4	Millimeters
Inches	1,000	Mils
Inches	.02778	Yards
Inches of mercury	.03342	Atmospheres
Inches of mercury	1.133	Feet of water
Inches of mercury	.03453	Kilograms/sq. cm.
Inches of mercury	345.3	Kilograms/sq. meter
Inches of mercury	70.73	Pounds/sq. foot
Inches of mercury	.4912	Pounds/sq. inch
Inches of water	.002458	Atmospheres
Inches of water	.07355	Inches of mercury
Inches of water	25.40	Kilograms/sq. meter
Inches of water	.5781	Ounces/sq. inch
Inches of water	5.202	Pounds/sq. foot
Inches of water	.03613	Pounds/sq. inch
J	1	Joules
Joules	9.478x10 <sup>-4</sup>	B.T.U.
Joules	10,000,000	Ergs
Joules	.7376	Foot-pounds
Joules	3.725x10 <sup>-7</sup>	Horsepower-hours
Joules	2.390x10 <sup>-4</sup>	Kilocalories
Joules	.1020	Kilogram-meters
Joules	2.778x10 <sup>-7</sup>	Kilowatt-hours



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Joules	1	Newton-meters
Joules	2.778x10 <sup>-4</sup>	Watt-hours
Kilocalories	3.966	B.T.U.
kilocalories	1	Food calories
Kilocalories	3086	Foot-pounds
kilocalories	1000	Gram calories
Kilocalories	.001559	Horsepower-hours
kilocalories	4,184	Joules
kilocalories	1	Kilogram calories
Kilocalories	426.9	Kilogram-meters
kilocalories	4.184	Kilojoules
Kilocalories	.001162	Kilowatt-hours
Kilocalories/minute	51.43	Foot-pounds/second
Kilocalories/minute	.09351	Horsepower
Kilocalories/minute	.06973	Kilowatts
Kilogram-meters	7.231	Foot-pounds
Kilogram-meters/sec. <sup>2</sup>	1	Newtons
Kilograms	1000	Grams
Kilograms	70.93	Poundals
Kilograms	2.205	Pounds
Kilograms	.001102	Tons
Kilograms/cu. meter	.001	Grams/cu. Centimeter
Kilograms/cu. meter	.06243	Pounds/cu. foot
Kilograms/cu. meter	3.613x10 <sup>-5</sup>	Pounds/cu. inch
Kilograms/meter	.6720	Pounds/foot
Kilograms/sq. cm.	.9678	Atmospheres
Kilograms/sq. cm.	32.81	Feet of water
Kilograms/sq. cm.	28.96	Inches of mercury
Kilograms/sq. cm.	2,048	Pounds/sq. foot
Kilograms/sq. cm.	14.22	Pounds/sq. inch
Kilograms/sq. cm.	980,665	Dynes
Kilograms/sq. meter	9.678x10 <sup>-5</sup>	Atmospheres
Kilograms/sq. meter	9.807x10 <sup>-5</sup>	Bars
Kilograms/sq. meter	.003281	Feet of water
Kilograms/sq. meter	.002896	Inches of mercury
Kilograms/sq. meter	.2048	Pounds/sq. foot
Kilograms/sq. meter	.001422	Pounds/sq. inch
Kilograms/sq. millimeter	1,000,000	Kilograms/sq. meter
Kilolines	1000	Maxwells
Kiloliters	1000	Liters
Kilometers	100,000	Centimeters
Kilometers	3281	Feet
Kilometers	1000	Meters
Kilometers	.6214	Miles
Kilometers	1094	Yards
Kilometers/hour	27.78	Centimeters/second
Kilometers/hour	54.68	Feet/minute



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Kilometers/hour	.9113	Feet/second
Kilometers/hour	.5396	Knots
Kilometers/hour	16.67	Meters/minute
Kilometers/hour	.6214	Miles/hour
Kilometers/hr./sec.	27.78	Centimeters/sec./sec.
Kilometers/hr./sec.	.9113	Feet/sec./sec.
Kilometers/hr./sec.	.2778	Meters/sec./sec.
Kilometers/liter	2.352	Miles/gallon
KiloNewtons	224.8	Pounds
KiloPascals	.1450	Pounds/sq. inch
Kilowatt-hours	3412	B.T.U.
Kilowatt-hours	$3.600 \times 10^{13}$	Ergs
Kilowatt-hours	2,655,000	Foot-pounds
Kilowatt-hours	1.341	Horsepower-hours
Kilowatt-hours	3,600,000	Joules
Kilowatt-hours	860.4	Kilocalories
Kilowatt-hours	367,100	Kilogram-meters
Kilowatts	56.87	B.T.U./minute
Kilowatts	44,250	Foot-pounds/minute
Kilowatts	737.6	Foot-pounds/second
Kilowatts	1.341	Horsepower
Kilowatts	14.34	Kilocalories/minute
Kilowatts	1000	Watts
Knots	1.689	Feet/second
Knots	1.8532	Kilometers/hr.
Knots	1.151	Miles/hour
Knots	1	Nautical miles/hour
Lamberts	.3183	Candela/sq. centimeter
Lamberts	2.054	Candela/sq. inch
Lamberts	3183	Candela/sq. meter
Leagues	3	Miles (nautical)
Light years	$9.4609 \times 10^{12}$	Kilometers
Light years	$5.9 \times 10^{12}$	Miles
Lines/sq. centimeter	1	Gausses
Lines/sq. inch	.1550	Gausses
Lines/sq. inch	$1.550 \times 10^{-9}$	Webers/sq. centimeter
Lines/sq. inch	$10^{-8}$	Webers/sq. inch
Links (engineer's)	12	Inches
Links (surveyor's)	7.92	Inches
Liters	1000	Cubic centimeters
Liters	.03531	Cubic feet
Liters	61.02	Cubic inches
Liters	.001	Cubic meters
Liters	.001308	Cubic yards
Liters	.2642	Gallons
Liters	1.000	Kilograms of water
Liters	2.113	Pints (liquid)



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Liters	1.057	Quarts (liquid)
Liters/minute	5.886x10 <sup>-4</sup>	Cu. feet/second
Liters/minute	.004403	Gallons/second
Lumens	.07958	Spherical candle power
Lumens	.001496	Watts
Lumens/sq. foot	1	Foot-candles
Lumens/sq. foot	10.76	Lumens/sq. meter
Lux	.0929	Foot-candles
Maxwells	.001	Kilolines
Maxwells	10 <sup>-8</sup>	Webers
Megajoules	.2778	Kilowatt-hours
Megalines	1,000,000	Maxwells
MegaPascals	145.0	Pounds/sq. inch
Meter-kilograms	98,070,000	Centimeter-dynes
Meter-kilograms	100,000	Centimeter-grams
Meter-kilograms	7.233	Pound-feet
Meters	100	Centimeters
Meters	3.281	Feet
Meters	39.37	Inches
Meters	.001	Kilometers
Meters	6.214x10 <sup>-4</sup>	Miles
Meters	5.396x10 <sup>-4</sup>	Miles (nautical)
Meters	1000	Millimeters
Meters	1.094	Yards
Meters/minute	1.667	Centimeters/second
Meters/minute	3.281	Feet/minute
Meters/minute	.05468	Feet/second
Meters/minute	.06	Kilometers/hour
Meters/minute	.03238	Knots
Meters/minute	.03728	Miles/hour
Meters/sec./sec.	3.281	Feet/sec./sec.
Meters/sec./sec.	3.6	Kilometers/hr./sec.
Meters/sec./sec.	2.237	Miles/hour/sec.
Meters/second	196.8	Feet/minute
Meters/second	3.281	Feet/second
Meters/second	3.6	Kilometers/hour
Meters/second	.06	Kilometers/minute
Meters/second	2.237	Miles/hour
Meters/second	.03728	Miles/minute
Mhos	1	Siemens
Microfarads	10 <sup>-6</sup>	Farads
Microns	10 <sup>-6</sup>	Meters
Miles	160,900	Centimeters
Miles	5280	Feet
Miles	63,360	Inches
Miles	1.609	Kilometers
Miles	1,609	Meters



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Miles	.8684	Miles (nautical)
Miles	1760	Yards
Miles (nautical)	6,080.27	Feet
Miles (nautical)	1.853	Kilometers
Miles (nautical)	1,853	Meters
Miles (nautical)	1.1516	Miles
Miles (nautical)	2,027	Yards
Miles/gallon	.4251	Kilometers/liter
Miles/hour	44.70	Centimeters/second
Miles/hour	88	Feet/minute
Miles/hour	1.467	Feet/second
Miles/hour	1.609	Kilometers/hour
Miles/hour	.8684	Knots
Miles/hour	26.82	Meters/minute
Miles/hour	.1667	Miles/minute
Miles/hour/sec.	44.70	Centimeters/sec./sec.
Miles/hour/sec.	1.467	Feet/sec./sec.
Miles/hour/sec.	1.609	Kilometers/hr./sec.
Miles/hour/sec.	.4470	Meters/sec./sec.
Miles/minute	2682	Centimeters/second
Miles/minute	88	Feet/second
Miles/minute	1.609	Kilometers/minute
Miles/minute	60	Miles/hour
Mil-feet	$9.425 \times 10^{-6}$	Cu. inches
Milliers	1000	Kilograms
Milligrams	.01543	Grains
Milligrams	.001	Grams
Milligrams/liter	1	Parts/million
Milliliters	.001	Liters
Millimeters	.1	Centimeters
Millimeters	.03937	Inches
Millimeters	.003281	Feet
Millimeters	39.37	Mils
Millimeters of mercury	.001316	Atmospheres
Millimeters of mercury	.001333	Bars
Millimeters of mercury	.04461	Feet of water
Millimeters of mercury	13.60	Kilograms/sq. meter
Millimeters of mercury	133.3	Pascals
Millimeters of mercury	.01934	Pounds/sq. inch
Millimicrons	$10^{-9}$	Meters
Million gallons/day	1.54723	Cu. feet/second
Mils	.00254	Centimeters
Mils	.001	Inches
Miner's inches	1.5	Cu. feet/minute
Minims	.061612	Cu. centimeters
Minims (British)	.059192	Cu. centimeters
Minutes (angle)	.01667	Degrees



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Minutes (angle)	$1.852 \times 10^{-4}$	Quadrants
Minutes (angle)	$2.909 \times 10^{-4}$	Radians
Minutes (angle)	60	Seconds
N	1	Newtons
Nepers	8.686	Decibels
Newton-meters	.7376	Foot-pounds
Newton-meters	1	Joules
Newtons	100,000	Dynes
Newtons	.1020	Kilograms
Newtons	1	Kilogram-meters/sec <sup>2</sup>
Newtons	.2248	Pounds
Newtons/sq. meter	1	Pascals
Oersteds	79.58	Amperes/meter
Ounces	16	Drams
Ounces	437.5	Grains
Ounces	28.349527	Grams
Ounces	.9115	Ounces (troy)
Ounces	.0625	Pounds
Ounces	$2.790 \times 10^{-5}$	Tons (long)
Ounces	$2.835 \times 10^{-5}$	Tons (metric)
Ounces (fluid)	1.805	Cubic inches
Ounces (fluid)	.02957	Liters
Ounces (troy)	480	Grains
Ounces (troy)	31.103481	Grams
Ounces (troy)	1.09714	Ounces
Ounces (troy)	20	Pennyweights (troy)
Ounces (troy)	.08333	Pounds (troy)
Ounces/sq. inch	.0625	Pounds/sq. inch
Pa	1	Pascals
Parts/million	.0584	Grains/gallon
Parts/million	.07016	Grains/Imp. Gallon
Parts/million	8.345	Pounds/million gallons
Pascals	$9.869 \times 10^{-6}$	Atmospheres
Pascals	.00001	Bars
Pascals	1	Newtons/sq. meter
Pascals	$1.450 \times 10^{-4}$	Pounds/sq. inch
Pecks	.25	Bushels
Pecks	537.605	Cubic inches
Pecks	8.810	Liters
Pecks	8	Quarts (dry)
Pennyweights (troy)	24	Grains
Pennyweights (troy)	1.55517	Grams
Pennyweights (troy)	.05	Ounces (troy)
Pennyweights (troy)	.004167	Pounds (troy)
Pi	1	3.141592654
Picas	.1660	Inches
Pints (dry)	33.60	Cu. inches



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Pints (liquid)	473.2	Cu. centimeters
Pints (liquid)	.01671	Cu. feet
Pints (liquid)	28.87	Cu. inches
Pints (liquid)	$6.189 \times 10^{-4}$	Cu. yards
Pints (liquid)	.125	Gallons
Pints (liquid)	.4732	Liters
Pints (liquid)	.5	Quarts (liquid)
Points	.01384	Inches
Poise	1	Grams/centimeter-sec.
Poundals	13,826	Dynes
Poundals	14.10	Grams
Poundals	.001383	Joules/centimeter
Poundals	.1383	Joules/meter
Poundals	.01410	Kilograms
Poundals	.1383	Newtons
Poundals	.03108	Pounds
Pound-feet	13,560,000	Centimeter-dynes
Pound-feet	13,825	Centimeter-grams
Pound-feet	.1383	Meter-kilograms
Pounds	256	Drams
Pounds	444,823	Dynes
Pounds	7000	Grains
Pounds	453.59237	Grams
Pounds	.04448	Joules/centimeter
Pounds	.45359237	Kilograms
Pounds	.004448	KiloNewtons
Pounds	4.448	Newtons
Pounds	16	Ounces
Pounds	14.5833	Ounces (troy)
Pounds	32.17	Poundals
Pounds	1.21528	Pounds (troy)
Pounds	.0005	Tons
Pounds (troy)	5760	Grains
Pounds (troy)	373.24177	Grams
Pounds (troy)	13.1657	Ounces
Pounds (troy)	12	Ounces (troy)
Pounds (troy)	240	Pennyweights (troy)
Pounds (troy)	.822857	Pounds
Pounds (troy)	$4.1143 \times 10^{-4}$	Tons
Pounds (troy)	$3.6735 \times 10^{-4}$	Tons (long)
Pounds (troy)	$3.7324 \times 10^{-4}$	Tons (metric)
Pounds of water	.01602	Cubic feet
Pounds of water	27.68	Cubic inches
Pounds of water	.1198	Gallons
Pounds of water	$2.670 \times 10^{-4}$	Cu. feet/second
Pounds/cubic foot	.01602	Grams/cu. centimeter
Pounds/cubic foot	16.02	Kilograms/cu. meter



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

COMMON CONVERSION FACTORS		
<u>Multiply</u>	<u>By</u>	<u>To Obtain</u>
Pounds/cubic foot	5.787x10 <sup>-4</sup>	Pounds/cu. inch
Pounds/cubic inch	27.68	Grams/cu. centimeter
Pounds/cubic inch	27,680	Kilograms/cu. meter
Pounds/cubic inch	1728	Pounds/cu. foot
Pounds/foot	1,488	Kilograms/meter
Pounds/inch	178.6	Grams/centimeter
Pounds/sq. foot	.01602	Feet of water
Pounds/sq. foot	4.883	Kilograms/sq. meter
Pounds/sq. foot	.006945	Pounds/sq. inch
Pounds/sq. inch	.06804	Atmospheres
Pounds/sq. inch	.06895	Bars
Pounds/sq. inch	2.307	Feet of water
Pounds/sq. inch	2.036	Inches of mercury
Pounds/sq. inch	703.1	Kilograms/sq. meter
Pounds/sq. inch	6.897	KiloPascals
Pounds/sq. inch	.006897	MegaPascals
Pounds/sq. inch	6897	Pascals
Quadrants (angle)	90	Degrees
Quadrants (angle)	5400	Minutes
Quadrants (angle)	1.571	Radians
Quarts (dry)	67.20	Cubic inches
Quarts (dry)	1.164	Quarts (liquid)
Quarts (liquid)	946.4	Cubic centimeters
Quarts (liquid)	.03342	Cubic feet
Quarts (liquid)	57.75	Cubic inches
Quarts (liquid)	9.464x10 <sup>-4</sup>	Cubic meters
Quarts (liquid)	.25	Gallons
Quarts (liquid)	.9463	Liters
Quarts (liquid)	.8594	Quarts (dry)
Quintals	100	Kilograms
Quintals	220.5	Pounds
Quintals (Argentinean)	101.28	Pounds
Quintals (Brazilian)	129.54	Pounds
Quintals (Chilean)	101.41	Pounds
Quintals (Mexican)	101.47	Pounds
Quintals (Peruvian)	101.43	Pounds
Quires	25	Sheets
Radians	57.30	Degrees
Radians	3438	Minutes
Radians	.6366	Quadrants
Radians/sec./sec.	573.0	Revolutions/min./min.
Radians/sec./sec.	.1592	Revolutions/sec./sec.
Radians/second	57.30	Degrees/second
Radians/second	9.549	Revolutions/minute
Radians/second	.1592	Revolutions/second
Reams	500	Sheets
Revolutions	360	Degrees





800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Revolutions	4	Quadrants
Revolutions	6.283	Radians
Revolutions/min./min.	.001745	Radians/sec./sec.
Revolutions/min./min.	2.778x10 <sup>-4</sup>	Revolutions/sec.sec.
Revolutions/minute	6	Degrees/second
Revolutions/minute	.1047	Radians/second
Revolutions/minute	.01667	Revolutions/second
Revolutions/sec./sec.	6.283	Radians/sec./sec.
Revolutions/sec./sec.	3600	Revolutions/min./min.
Revolutions/second	360	Degrees/second
Revolutions/second	6.283	Redians/second
Revolutions/second	60	Revolutions/minute
Rods	.25	Chains
Rods	16.5	Feet
Rods	5.029	Meters
Rods	5.5	Yards
S	1	Siemens
Scruples	20	Grains
Seconds (angle)	2.778x10 <sup>-4</sup>	Degrees
Seconds (angle)	.01667	Minutes
Seconds (angle)	3.087x10 <sup>-6</sup>	Quadrants
Seconds (angle)	4.848x10 <sup>-6</sup>	Radians
Siemens	1	Mhos
Slugs	14.59	Kilograms
Slugs	32.17	Pounds
Square centimeters	197,300	Circular mils
Square centimeters	.001076	Square feet
Square centimeters	.1550	Square inches
Square centimeters	10 <sup>-4</sup>	Square meters
Square centimeters	100	Square millimeters
Square feet	2.296x10 <sup>-5</sup>	Acres
Square feet	929.0	Square centimeters
Square feet	144	Square inches
Square feet	.09290	Square meters
Square feet	3.587x10 <sup>-8</sup>	Square miles
Square feet	.1111	Square yards
Square inches	1,273,000	Circular mils
Square inches	6.452	Square centimeters
Square inches	.006944	Square feet
Square inches	645.2	Square millimeters
Square inches	1,000,000	Square mils
Square kilometers	247.1	Acres
Square kilometers	10,760,000	Square feet
Square kilometers	1,000,000	Square meters
Square kilometers	.3861	Square miles
Square kilometers	1,196,000	Square yards
Square meters	2.471x10 <sup>-4</sup>	Acres



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Square meters	10.76	Square feet
Square meters	3.861x10 <sup>-7</sup>	Square miles
Square meters	1.196	Square yards
Square miles	640	Acres
Square miles	27,878,400	Square feet
Square miles	2.590	Square kilometers
Square miles	3,097,600	Square yards
Square millimeters	1,973	Circular mils
Square millimeters	.01	Square centimeters
Square millimeters	.001550	Square inches
Square mils	1.273	Circular mils
Square yards	2.066x10 <sup>-4</sup>	Acres
Square yards	9	Square feet
Square yards	1,296	Square inches
Square yards	.8361	Square meters
Square yards	3.228x10 <sup>-7</sup>	Square miles
Stokes	.0001	Sq. meters/second
T	1	Teslas
Teslas	1	Webers/sq. meter
Therms	105.5	Megajoules
Tonne	1	Ton (metric)
Tons	907.18486	Kilograms
Tons	32,000	Ounces
Tons	29166.66	Ounces (troy)
Tons	2000	Pounds
Tons	2430.56	Pounds (troy)
Tons	.89286	Tons (long)
Tons	.90718	Tons (metric)
Tons (long)	1016	Kilograms
Tons (long)	2240	Pounds
Tons (long)	1.12	Tons
Tons (metric)	1000	Kilograms
Tons (metric)	2205	Pounds
Tons (refrigeration)	3.517	Kilowatts
Tons (register)	100	Cubic feet
Tons of water/24 hrs.	1.3349	Cu. feet/hour
Tons of water/24 hrs.	.16643	Gallons/minute
Tons of water/24 hrs.	83.333	Pounds water/hr.
Torr	.001333	Bars
Torr	133.3	Pascals
Torr	.01934	Pounds/sq. inch
V	1	Volts
W	1	Watts
Watt-hours	3.412	B.T.U.
Watt-hours	860.4	Calories (gram)
Watt-hours	3.6x10 <sup>10</sup>	Ergs
Watt-hours	2655	Foot-pounds



800-871-5022

More information can be found at  
[www.Drill-HQ.com](http://www.Drill-HQ.com).

<b>COMMON CONVERSION FACTORS</b>		
<b><u>Multiply</u></b>	<b><u>By</u></b>	<b><u>To Obtain</u></b>
Watt-hours	.001341	Horsepower-hours
Watt-hours	.8604	Kilocalories
Watt-hours	367.1	Kilogram-meters
Watt-hours	.001	Kilowatt-hours
Watts	3.412	B.T.U./hour
Watts	.05687	B.T.U./minute
Watts	$10^7$	Ergs/second
Watts	44.25	Foot-pounds/minute
Watts	.7376	Foot-pounds/second
Watts	.001341	Horsepower
Watts	.001360	Horsepower (metric)
Watts	.01434	Kilocalories/minute
Watts	.001	Kilowatts
Wb	1	Webers
Webers	100,000	Kilolines
Webers	$10^8$	Maxwells
Webers/sq. inch	$1.550 \times 10^7$	Gausses
Webers/sq. inch	$10^8$	Lines/sq. inch
Webers/sq. inch	.1550	Webers/sq. centimeter
Webers/sq. inch	1,550	Webers/sq. meter
Webers/sq. meter	10,000	Gausses
Webers/sq. meter	64,520	Lines/sq. inch
Webers/sq. meter	1	Teslas
Webers/sq. meter	.0001	Webers/sq. centimeter
Webers/sq. meter	$6.452 \times 10^{-4}$	Webers/sq. inch
Yards	91.44	Centimeters
Yards	3	Feet
Yards	36	Inches
Yards	$9.114 \times 10^{-4}$	Kilometers
Yards	.9144	Meters
Yards	$5.682 \times 10^{-4}$	Miles
Yards	$4.934 \times 10^{-4}$	Miles (nautical)