Conversion factors for various engeneering units (continued)

Multiply	By	To Obtain
Millimeters	0.1	Centimeters
Millimeters	0.03937	Inches
Milligrams/liter	1	Parts/million
Million gal/day	1.54723	Cu. ft./sec.
Ounces	437.5	Grains
Ounces	28.349527	Grams
Ounces	0.0625	Pounds
Ounces (fluid)	1.805	Cu. in.
Ounces (fluid)	0.02957	Liters
Ounces/sq.in.	0.0625	Lb/sq. in.
Parts/million	0.0584	Grains/U.S. gal
Parts/million	8.345	Lb/million gal
Pounds	16	Ounces
Pounds	7000	Grains
Pounds	453.5924	Grams
Pounds of water	0.01602	Cu. ft.
Pounds of water	27.68	Cu. in.
Pounds of water	0.1198	Gallons
Pounds/cu.ft.	0.0005787	Lb/cu. in.
Pounds/cu.in.	1728	Lb/cu. ft.
Pounds/sq.ft.	0.01602	Feet of water
Pounds/sq.ft.	0.006945	Pounds/sq.in.
Pounds/sq.in.	2.307	Feet of water
Pounds/sq.in.	2.036	Inches of mercury
Quarts (liquid)	57.75	Cu. in.
Radians	57.30	Degrees
Radians	3438	Minutes
Radians	0.637	Quadrants
Radians/sec.	57.30	Degrees/sec.
Radians/sec.	0.1592	Revolutions/sec.
Radians/sec.	9549	Revolutions/min.
Revolutions	360	Degrees
Revolutions	4	Quadrants

Multiply	By	To Obtain
Revolutions	6.283	Radians
Revolutions/min.	6	Degrees/sec.
Revolutions/min.	0.1047	Radians/sec.
Revolutions/min.	0.01667	Revolutions/sec.
Square feet	0.00002296	Acres
Square feet	144	Sq.in.
Square kilometers	247.1	Acres
Square kilometers	10760000	Sq.ft.
Square kilometers	0.3861	Sq.miles
Square kilometers	1196000	Sq.yds.
Square meters	0.0002471	Acres
Square meters	10.76	Sq.ft.
Square meters	0.0000003861	Sq.miles
Square meters	1.196	Sq.yards
Square miles	640	Acres
Square miles	27880000	Sq.ft.
Square millimeters	0.00155	Sq.in.
Square yards	0.0002066	Acres
Square yards	9	Sq.ft.
Square yards	0.0000003228	Sq.miles
Temp.(°C)+273	1	Abs.temp.(°C)
Temp.(°C)+17.78	1.8	Temp (°F)
Temp.(°F)+460	1	Abs.temp.(°F)
Temp.(°F)-32	5/9	Temp (°C)
Watts	0.05692	Btu/min.
Watts	44.26	Ft lb/min.
Watts	0.001341	Horsepower
Watts	0.010	Kilowatts
Yards	91.44	Centimeters
Yards	3	Feet
Yards	36	Inches
Yards	0.9144	Meters

English to Metric Conversions

AREA		
To convert from	to	multiply by
acre	meter^2 (m^2)	4.046 856 E+03
circular mil	meter^2 (m^2)	5.067 075 E -10
foot^2	meter^2 (m^2)	9.290 304* E -02
inch^2	meter2 (m^2)	6.451 600* E -04
mile^2 (U.S. statute)	meter^2 (m^2)	2.589 988 E+06
section	meter^2 (m^2)	2.589 988 E+06
township	meter^2 (m^2)	9.323 957 E+07
yard^2	meter2 (m^2)	8.361 274 E -01

BENDING MOMENT or TORQUE		
To convert from	to	multiply by
dyne-centimeter	newton-meter (N•m)	1.000 000* E -07
kilogram-force-meter	newton-meter (N•m)	9.806 650* E+00
ounce-force-inch	newton-meter (N•m)	7.061 552 E -03
pound-force-inch	newton-meter (N•m)	1.129 848 E -01
pound-force-foot	newton-meter (N•m)	1.355 818 E +00

ENERGY (includes Work)		
To convert from	to	multiply by
British thermal unit (International Table)	joule (J)	1.055 056 E+03
electronvolt	joule (J)	1.602 19 E -19
erg	joule (J)	1.000 000*E -07
foot-pound-force	joule (J)	1.355 818 E+00
foot-poundal	joule (J)	4.214 011 E -02
joule, international U.S (JINT-US)	joule (J)	1.000 182 E+00
joule, U.S. legal 1948 (JUS-48)	joule (J)	1.000 017 E+00
kilowatt-hour	joule (J)	3.600 000*E+06
kilowatt-hour, international U.S. (kWhINT-US)	joule (J)	3.600 655 E+06
kilowatt-hour, U.S. legal 1948 (kWhUS-48)	joule (J)	3.600 061 E +06
watt-hour	joule (J)	3.600 000*E+03
watt-second	joule (J)	1.000 000*E +00

* Exact - not rounded