

METRIC CONVERSION TABLE

Millimeters x	.03937	=	Inches
" =	25.400	x	"
Meters x	3.2809	=	Feet
" =	.3048	x	"
Kilometers x	.621377	=	Miles
" =	1.6093	x	"
Square centimeters . . . x	.15500	=	Square inches
" =	6.4515	x	" "
Square meters x	10.76410	=	Square feet
" " =	.09290	x	" "
Square kilometers . . . x	247.1098	=	Acres
" " =	.004047	x	" "
Hectares x	2.471	=	Acres
" =	.4047	x	"
Cubic centimeters x	.061025	=	Cubic inches
" " =	16.3872	x	" "
Cubic meters x	35.314	=	Cubic feet
" " =	.02832	x	" "
" " x	1.308	=	Cubic yards
" " =	.765	x	" "
Liters x	61.023	=	Cubic inches
" =	.01639	x	" "
" x	.26418	=	U.S. gallons
" =	3.7854	x	" "
Grams x	15.4324	=	Grains
" =	.0648	x	"
" x	.03527	=	Ounces Avoirdupois
" =	28.350	x	" "
Kilograms x	2.2046	=	Pounds
" =	.4536	x	"
Kilograms per sq. centimeter x	14.2231	=	Lbs. per sq. inch
" " =	.0703	x	" " " "
Kilogram per cubic meter x	.06243	=	Lbs. per cubic foot
" " =	16.01890	x	" " " "
Metric tons (1,000 kilograms) x	1.1023	=	Tons (2,000 lbs.)
" =	.9072	x	" " "
Kilowatts x	1.3405	=	Horse-powers
" =	.746	x	" "

GEOMETRIC FORMULAS

CIRCLE

Area	=	Square of Diameter	x	.7854
		or Square of Radius	x	3.1416
Circumference	=	Diameter	x	3.1416
Diameter	=	Circumference	x	.3183

Doubling diameter increases area four times; tripling diameter increases area nine times, etc.

SQUARE

Area	=	Square of Side		
Diagonal	=	Side	x	1.4142
Side	=	Diagonal	x	.7071

SQUARE INSCRIBED IN CIRCLE

Side of Square	=	Diameter of Circle	x	.7072
		or Circumference of Circle	x	.2251
Diameter of Circle	=	Side of Square	x	1.4142
Circumference of Circle	=	Side of Square	x	4.4429

RECTANGLE

Area	=	Length x Width
Diagonal	=	Square root of sum of squares of Width and Length

HEXAGON (EQUAL SIDES AND ANGLES)

Area	=	Square of Distance across Flats	x	.866
		or Square of Side	x	2.598
Side	=	1/2 of Diagonal		
		or Distance across Flats	x	.577
Diagonal	=	Distance across Flats	x	1.155
		or Side	x	2

SQUARE AND CIRCLE WITH EQUAL AREA

Side of Square	=	Diameter of Circle	x	.8862
Diameter of Circle	=	Side of Square	x	1.128
Circumference of Circle	=	Side of Square	x	3.545

CONVERSION TO PSI (POUNDS PER SQUARE INCH)

TO CONVERT FROM	TO	MULTIPLY BY
KSI	PSI	1000.000
KG/M ² (Kilogram Per Sq. Meter)	PSI	.00142234
KG/CM ² (Kilogram Per Sq. Centimeter)	PSI	14.2234
KG/MM ² (Kilogram Per Sq. Millimeter)	PSI	1422.340
KG/MM ² H Bar (Kilogram Per Sq. Millimeter Bar)	PSI	145.0383
Bars	PSI	14.5038
MPA (Mega Pascal)	PSI	145.0377
N/MM ² (Newton Per Sq. Millimeters)	PSI	145.0377