

STANDARD CONVERSION TABLE – ENGLISH TO METRIC

<u>Symbol</u>	<u>To convert from</u>	<u>Multiply by</u>	<u>To determine</u>	<u>Symbol</u>
<u>LENGTH</u>				
IN	inch	25.4	millimeters	mm
FT	feet	0.3048	meters	m
YD	yards	0.9144	meters	m
MI	miles	1.609344	kilometers	km
<u>AREA</u>				
SI	square inches	645.16	square millimeters	mm ²
SF	square feet	0.09290304	square meters	m ²
SY	square yards	0.83612736	square meters	m ²
A	acres	0.4046856	hectares	ha
MI ²	square miles	2.59	square kilometers	km ²
<u>VOLUME</u>				
CI	cubic inches	16.387064	cubic centimeters	cm ³
CF	cubic feet	0.0283168	cubic meters	m ³
CY	cubic yards	0.764555	cubic meters	m ³
GAL	gallons	3.78541	liters	L
OZ	fluid ounces	0.0295735	liters	L
MBM	thousand feet board	2.35974	cubic meters	m ³
<u>MASS</u>				
LB	pounds	0.4535924	kilograms	kg
TON	short tons (2000 lbs)	0.9071848	metric tons	t
<u>PRESSURE AND STRESS</u>				
PSF	pounds per square foot	47.8803	pascals	Pa
PSI	pounds per square inch	6.89476	kilopascals	kPa
PSI	pounds per square inch	0.00689476	megapascals	Mpa
<u>DISCHARGE</u>				
CFS	cubic feet per second	0.02831	cubic meters per second	m ³ /s
<u>VELOCITY</u>				
FT/SEC	feet per second	0.3048	meters per second	m/s
<u>INTENSITY</u>				
IN/HR	inch per hour	25.4	millimeters per hour	mm/hr
<u>FORCE</u>				
LB	pound (force)	4.448222	newtons	N
<u>POWER</u>				
HP	horsepower	746.0	watts	W
<u>TEMPERATURE</u>				
°F	degrees Fahrenheit	5 X (°F – 32)/9	degrees Celsius	°C
<u>DENSITY</u>				
lb/ft ³	pounds per cubic foot	16.01846	kilograms per cubic meter	kg/m ³
<u>ACCELERATION</u>				
g	freefall, standard	9.807	meters per second squared	m/s ²

TO CONVERT FROM METRIC TO ENGLISH, DIVIDE BY THE ABOVE CONVERSION FACTORS.