

## TEMPERATURE

Fahrenheit		°C	°F
Thermometric scale with fixed points marked 32°F for freezing point and 212°F for boiling of water.	$(\text{Fahrenheit} - 32) \times .555$ = Celsius	-40	-40
		-30	-22
		-25	-13
		-20	-4
		-10	+14
		0	+32
		+50	+122
		+55	+131
		+70	+158
		+85	+185
		+100	+212

**Celsius**  
International thermometric scale with fixed points marked 0°C for freezing point and 100°C for boiling of water.

$$(\text{Celsius} \times 1.8) + 32 = \text{Fahrenheit}$$

## LINEAR DIMENSIONS

	Fraction	Inch	Millimeter	Fraction	Inch	Millimeter
<b>Formulas for Conversions</b>		.100	2.54		.394	10.0
millimeter x .03937 = inch		.150	3.81	15/32	.469	11.9
		.197	5.0		.472	12.0
inch x 25.4 = millimeter		.236	6.0	1/2	.500	12.7
	1/4	.250	6.35			

## FORCE

## TORQUE

Formulas for Conversions	Formulas for Conversions
ounce•force x .2780139 = newton	kg/cm x 2.2046 x .3937 = lb/in
pound-force x 4.4482220 = newton	newton•meter x .7375621 = pound-foot
kilogram-force x 9.8066500 = newton	newton•meter x .1019716 = kilogram-meter
newton x .1019716 = kilogram-force	newton•meter x 141.6119 = ounce-inch
newton x .2248089 = pound-force	newton•meter x 8.8507 = pound-inch
newton x 3.5969420 = ounce•force	pound-foot x 1.355818 = newton•meter

## PLATING THICKNESS

<b>Micron</b>	1 micron	=	1 thousandth of 1 millimeter
One millionth of a meter;	1 micron ÷ .0254	=	39.37 millionths of an inch
a micrometer	Example: 3 microns ÷ .0254	=	118.11 millionths of an inch

## WEIGHT

1 gram	=	.03527 ounce	1 ounce	=	31.10348 grams
1 kilogram	=	35.27 ounces	1 ounce	=	.03110348 kilogram
1 kilogram	=	2.2 pounds	1 pound	=	.4539 kilogram