

## METRIC CONVERSION CHART

### British (Imperial) to Metric (SI)

To convert	Into	Multiply by
<b>Length</b>		
Inches (in)	Millimetres (mm)	25.4
Feet (ft)	Millimetres (mm)	304.8
Feet (ft)	Metres (m)	0.3048
Yards (yd)	Metres (m)	0.9144
Fathoms	Metres (m)	1.8288
Chains	Metres (m)	20.1168
Furlongs	Metres (m)	201.168
Miles	Kilometres (m)	1.6093
<b>Volume</b>		
Cubic inches (in <sup>3</sup> )	Cubic millimetres (mm <sup>3</sup> )	16387
Cubic feet (ft <sup>3</sup> )	Cubic metres (m <sup>3</sup> )	0.02832
Cubic yards (yd <sup>3</sup> )	Cubic metres (m <sup>3</sup> )	0.7646
Fluid ounces (fl oz)	Millilitres (ml)	28.413
Pints	Litres	0.5683
Gallons	Litres	4.5461
<b>Mass</b>		
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	0.4536
Stones	Kilograms (kg)	6.3503
Hundredweights (cwt)	Kilograms (kg)	50.802
Tons	Tonnes	1.0161
<b>Force</b>		
Pounds force (lbf)	Newtons (N)	4.4482
Tons force	Newtons (N)	9964

### Metric (SI) to British (Imperial)

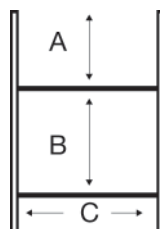
To convert	Into	Multiply by
<b>Length</b>		
Millimetres (mm)	Inches (in)	0.03937
Millimetres (mm)	Feet (ft)	0.003281
Metres (m)	Feet (ft)	3.2808
Metres (m)	Yards (yd)	1.0936
Metres (m)	Fathoms	0.5468
Metres (m)	Chains	0.04971
Metres (m)	Furlongs	0.00497
Kilometres (m)	Miles	0.6214
<b>Volume</b>		
Cubic millimetres (mm <sup>3</sup> )	Cubic inches (in <sup>3</sup> )	0.00006102
Cubic metres (m <sup>3</sup> )	Cubic feet (ft <sup>3</sup> )	35.315
Cubic metres (m <sup>3</sup> )	Cubic yards (yd <sup>3</sup> )	1.308
Millilitres (ml)	Fluid ounces (fl oz)	0.0352
Litres	Pints	1.76
Litres	Gallons	0.22
<b>Mass</b>		
Grams (g)	Ounces (oz)	0.03527
Kilograms (kg)	Pounds (l b)	2.2046
Kilograms (kg)	Stones	0.1575
Kilograms (kg)	Hundredweights (cwt)	0.0197
Tonnes	Tons	0.9842
<b>Force</b>		
Newtons (N)	Pounds force (lbf)	0.2248
Newtons (N)	Tons force	0.0001004

### Calculation of Drum Capacities

The length of rope a drum will take can be calculated by using the formula.

Length (m) = (A+B) x A x C x N where:

- A = the height of the drum flange from the centre
- B = the diameter of the core of the drum
- C = the width of the drum between the flanges, and
- N = a constant to be taken below



Size of Rope (mm)	N	Size of Rope (mm)	N	Size of Rope (mm)	N
6	87 266	22	6491	44	1623
10	31 416	26	4467	48	1364
11	25 963	28	4007	52	1162
13	18589	32	3068	54	1077
14	16028	35	2565	56	1002
16	12271	38	2176	60	873
19	8702	40	1963	64	767