

13. Conversion Table

Linear Measure

<p>1 inch = 25,400 millimetres</p> <p>1 foot = 0,3048 metre</p> <p>1 yard = 0,9144 metre</p> <p>1 mile = 1,6093 kilometres</p>		<p>1 millimetre = 0,03937 inch</p> <p>1 centimetre = 0,3937 inch</p> <p>1 metre = { 3,2808 feet 1,0936 yards</p> <p>1 kilometre = 0,6214 mile</p>
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Square Measure

<p>1 sq. inch = 645,16 sq mm</p> <p>1 sq. foot = 0,0929 sq. m</p> <p>1 sq. yard = 0,8361 sq. m</p> <p>1 acre = 0,4047 hectare</p> <p>1 sq. mile = 259,00 hectares</p> <p>1 hectare = 10.000 m²</p>		<p>1 sq. cm = 0,1550 sq in.</p> <p>1 sq. m = { 10,7639 sq. ft. 1,1960 msq. yds.</p> <p>1 hectare = 2,4711 acres</p> <p>1 km² = 247,105 acres</p>
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Cubic Measurement

<p>1 cubic inch = 16,387 cubic cm</p> <p>1 cubic foot = 0,0283 cubic m</p> <p>1 cubic yard = 0,7646 cubic m</p>		<p>1 cubic mm = 0,000061 cubic in.</p> <p>1 cubic m = { 35,3147 cubic ft. 1,308 cubic yds.</p>
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Measure of Capacity

<p>1 pint = 0,568 litre</p> <p>1 gallon = 4,546 litres</p>		<p>1 litre = { 1,7598 pints 0,22 gallon</p>
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Weight

<p>1 oz. = 28,350 grammes</p> <p>1 pound = 0,4536 kilogram</p> <p>1 ton = { 1,016 tonnes 1016 kilograms</p>		<p>1 gramme = 0,0353 oz.</p> <p>1 kilogram = 2,2046 lb</p> <p>1 tonne = 0,9842 ton</p>
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Section Modulus

1 inch ³	=	16,39 centimetres ³
1 inch ³ per foot of wall	=	53,7 centimetres ³ per metre of wall
1,86 inch ³ per foot of wall	=	100 centimetres ³ per metre of wall

Moment of Inertia

1 inch ⁴	=	41,62 centimetres ⁴
1 inch ⁴ per foot of wall	=	136,56 centimetres ⁴ per metre of wall

Miscellaneous Conversion Factors and Constants

1 lb (f) ⁴	=	4,449 Newtons
1 pound per linear foot	=	1,4881 kilogrammes per linear metre
1 pound per square foot	=	4,883 kilogrammes per square metre
0,205 pound per square foot	=	1 kilogramme per square metre
1 ton (f) per linear foot	=	32,69 kilonewtons per linear metre
1000 pound (f) per square foot	=	47,882 kilonewtons per square metre
1 ton (f) per square inch	=	15,444 Newtons per square millimetre
ton (f) per square foot	=	107,25 kilonewtons per square metre
100 pound per cubic foot	=	1602 kilogrammes per cubic metre
100 pound (f) per cubic foot	=	15,7 kilonewtons per cubic metre
1 ton (f) foot Bending Moment per foot of wall	=	10 kilonewton metres Bending Moment per metre of wall
1 metre head of fresh water	=	1 kilogramme per square centimetre
1 metre head of sea water	=	1,025 kilogramme per square centimetre
1 cubic metre of fresh water	=	1000 kilogrammes
1 cubic metre of sea water	=	1025 kilogrammes
1 radian	=	57,3 degrees
Young's Modulus, steel	=	210 kN/mm ²
100 microns	=	0,1 mm = 0,004 inch
10 bar	=	1 MN per square meter

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