

SECTION P

CONVERSION TABLES

MEASURES OF LENGTH

English

1 Micro inch	....	=	One millionth of an inch
1 Mil	....	=	0.001 or one thousandth of an inch
1 Foot	....	=	12 inches
3 Feet	....	=	1 yard
5280 Feet	....	=	1 mile = 1760 yards

Metric

10 millimetres (mm)	....	=	1 centimetre (cm)
10 centimetres	....	=	1 decimetre (dm)
10 decimetres	....	=	1 metre (m)
1000 metres	....	=	1 kilometre (km)

CONVERSION FACTORS

From	To	Multiply By	From	To	Multiply By
Inches	Millimetres	25.4	Millimetres	Inches	.03937
Inches	Centimetres	2.54	Centimetres	Inches	.3937
Feet	Metres	.3048	Metres	Feet	3.2808
Yards	Metres	.9144	Metres	Yards	1.0936
Miles	Kilometres	1.6093	Kilometres	Miles	.6214

MEASURES OF WEIGHT

English

1 gram	....	=	15.432 grains
1 oz. (avoirdupois)	....	=	437.5 grains
16 oz.	....	=	1 lb.
112 lbs.	....	=	1 cwt.
20 cwt.	....	=	1 ton
1 ton	....	=	2,240 lbs.
1 short ton (U.S.)	....	=	2,000 lbs.

Metric

10 milligrams	....	=	1 centigram
10 centigrams	....	=	1 decigram
10 decigrams	....	=	1 gram
10 grams	....	=	1 dekagram
10 dekagrams	....	=	1 hectogram
10 hectograms	....	=	1 kilogram
1,000 kilograms	....	=	1 ton (metric)

CONVERSION FACTORS

From	To	Multiply By	From	To	Multiply By
Ozs.	Grams	28.35	Gram	Ozs.	.0352
Lbs.	Kilograms	.4536	Kilograms	Lbs.	2.2046
Cwt.	Kilograms	50.8	Kilograms	Cwt.	.01968
Tons (2,240 lbs.)	Kilograms	1,016.	Kilograms	Tons (2,240 lbs.)	.000984

Power

From	To	Multiply By	From	To	Multiply By
Horse power	Force de Cheval	1.0139	Force de Cheval	Horse power	.9863
Horse power	Watts	745.95	Watts	Horse power	.0013406
Horse power	Kilowatts	.74595	Kilowatts	Horse power	1.3406
Kilowatts	Force de Cheval	1.3592	Force de Cheval	Kilowatts	.7358
Foot lbs. per sec.	Kilograms per sec.	.13825	Kilograms per sec.	Foot lbs. per sec.	7.233
Foot lbs. per sec.	Force de Cheval	.0018434	Force de Cheval	Foot lbs. per sec.	542.48

Energy

From	To	Multiply By	From	To	Multiply By
Foot lbs.	Kilogram metres	.13825	Kilogram metres	Foot lbs.	7.233
Foot lbs.	Kilogram calories	.000324	Kilogram calories	Foot lbs.	3,086.
Foot lbs.	B. Th. U.	.001285	B.Th.U.	Foot lbs.	778.3

