



severn valley
woodworks

Conversion Tables

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Lengths

Nominal Imperial	Metric stock size	Actual Imperial
4 ft	1.2 m	3 ft 11 ins
5 ft	1.5 m	4 ft 11 ins
6 ft	1.8 m	5 ft 10 ins
7 ft	2.1 m	6 ft 10 ins
8 ft	2.4 m	7 ft 10 ins
9 ft	2.7 m	8 ft 10 ins
10 ft	3.0 m	9 ft 10 ins
11 ft	3.3 m	10 ft 9 ins
12 ft	3.6 m	11 ft 9 ins
13 ft	3.9 m	12 ft 9 ins
14 ft	4.2 m	13 ft 9 ins
15 ft	4.5 m	14 ft 9 ins
16 ft	4.8 m	15 ft 9 ins
17 ft	5.1 m	16 ft 8 ins
18 ft	5.4 m	17 ft 8 ins
19 ft	5.7 m	18 ft 8 ins
20 ft	6.0 m	19 ft 8 ins
21 ft	6.3 m	20 ft 8 ins
22 ft	6.6 m	21 ft 7 ins
23 ft	6.9 m	22 ft 7 ins
24 ft	7.2 m	23 ft 7 ins

Cross Sections

Nominal Imperial	Metric stock size	Actual Imperial
5/8 in	16 mm	5/8 in
3/4 in	19 mm	3/4 in
7/8 in	22 mm	7/8 in
1 in	25 mm	31/32 in
1 1/4 ins	32 mm	1 1/4 ins
1 1/2 ins	38 mm	1 1/2 ins
1 3/4 ins	44 mm	1 23/32 ins
2 ins	50 mm	1 31/32 ins
2 1/2 ins	63 mm	2 15/32 ins
3 ins	75 mm	2 15/16 ins
4 ins	100 mm	3 15/16 ins
5 ins	125 mm	4 29/32 ins
5 1/2 ins	138 mm	5 7/16 ins
6 ins	150 mm	5 29/32 ins
7 ins	175 mm	6 7/8 ins
8 ins	200 mm	7 7/8 ins
9 ins	225 mm	8 27/32 ins
10 ins	250 mm	9 27/32 ins
11 ins	275 mm	10 13/16 ins
12 ins	300 mm	11 13/16 ins

Running metres in a cubic metre

	16 mm	19 mm	22 mm	25 mm	32 mm	38 mm
75 mm	833.33	701.75	606.06	533.33	416.67	350.88
100 mm	625.00	526.32	454.55	400.00	312.50	263.16
125 mm	500.00	421.05	363.64	320.00	250.00	210.53
138 mm	452.90	381.39	329.38	289.86	226.45	190.70
150 mm	416.67	350.88	306.03	256.67	208.33	175.44
175 mm	357.14	300.75	259.74	228.57	178.57	150.38
200 mm	312.50	263.16	227.27	200.00	156.25	131.58
225 mm	277.78	233.92	202.02	177.78	138.89	116.96
250 mm	250.00	210.53	181.82	160.00	125.00	105.26
275 mm	227.27	191.39	165.29	145.45	113.64	95.69
300 mm	208.33	175.44	151.51	133.33	104.17	87.72

	44 mm	50 mm	63 mm	75 mm	100 mm	150 mm
75 mm	303.03	266.67	211.64	177.78	133.33	88.89
100 mm	227.27	200.00	158.73	133.33	100.00	66.67
125 mm	181.82	160.00	126.98	106.67	80.00	53.33
138 mm	164.69	144.93	115.02	96.62	72.46	48.31
150 mm	151.52	133.33	105.82	88.89	66.67	44.44
175 mm	129.87	114.29	90.70	79.19	57.14	38.10
200 mm	113.64	100.00	79.37	66.67	50.00	33.33
225 mm	101.01	88.89	70.55	59.26	44.44	29.63
250 mm	90.91	80.00	63.49	53.33	40.00	26.67
275 mm	82.64	72.73	57.72	48.48	36.36	24.24
300 mm	75.76	66.76	52.91	44.44	33.33	22.22

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Length

Multiply number of	By	To obtain equivalent number of
Inches (in)	25.4	Millimetres (mm)
	2.54	Centimetres (cm)
Feet (ft)	30.48	Centimetres (cm)
	0.3048	Metres (m)
Yards (yd)	0.9144	Metres
Miles (land 5280ft)	1.609344	Kilometres (km)
Centimetres	0.3937	Inches
Metres	3.2808	Feet
Kilometres	0.62137	Miles

Area

Multiply number of	By	To obtain equivalent number of
Acres	4046.86	Sq metres
	0.404686	Hectares
	0.004047	Sq kilometres
Sq miles	258.999	Hectares
	2.58999	Sq kilometres
Hectares	2.47105	Acres
Sq kilometres	247.105	Acres
	0.3861	Sq miles
Hectares	2.58999	Sq kilometres

Volume and Capacity

Multiply number of	By	To obtain equivalent number of
UK pints	0.5683	Litres
UK gallons	4.54609	Litres
UK gallons	1.20095	US gallons
US gallons	0.832674	UK gallons
Litres	1.7598	UK pints
	0.21997	UK gallons

Velocity

Multiply number of	By	To obtain equivalent number of
Miles/hour	1.609344	Kilometres/hour
Kilometres/hour	0.62137	Miles/hour

UK Imperial Measurements

Length		
12 inches	=	1 foot
3 feet	=	1 yard
5,280 feet	=	1 mile
1,760 yards	=	1 mile
Area		
144 sq inches	=	1 sq foot
9 sq feet	=	1 sq yard
4,840 sq yards	=	1 acre
640 acres	=	1 sq mile

Metric Measurements

Length		
10 millimetres	=	1 centimetre
1,000 millimetres	=	1 metre
100 centimetres	=	1 metre
100 metres	=	1 hectometre
10 hectometres	=	1 kilometre
Area		
100 sq millimetres	=	1 sq cm
10,000 sq metres	=	1 hectare
100 hectares	=	1 sq km

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