



Ramsay Timber Limited

# Timber Metrication Booklet

December 2016



## Ramsay Timber Metrication Booklet

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## Thickness/Widths

Imperial (Inch)	Metric (mm)	Metric (mm)	Imperial (Inch)
1/2	12.70	12	1/2
5/8	15.88	16	5/8
3/4	19.05	19	3/4
7/8	22.23	22	7/8
<b>1</b>	<b>25.40</b>	<b>25</b>	<b>1</b>
1 1/4	31.75	32	1 1/4
1 1/2	38.10	38	1 1/2
1 3/4	44.45	44	1 3/4
<b>2</b>	<b>50.80</b>	<b>50</b>	<b>2</b>
2 1/2	63.50	63	2 1/2
<b>3</b>	<b>76.20</b>	<b>75</b>	<b>3</b>
<b>4</b>	<b>101.60</b>	<b>100</b>	<b>4</b>
4 1/2	114.30	115	4 1/2
5	127.00	125	5
5 1/2	139.70	140	5 1/2
6	152.40	150	6
7	177.80	175	7
8	203.20	200	8
9	228.60	225	9
10	254.00	250	10
11	279.40	275	11
12	304.80	300	12

## Lengths

Metres	Feet	Metres	Feet
0.30	1	1	3.281
0.61	2	2	6.562
0.91	3	3	9.843
1.22	4	4	13.124
1.52	5	5	16.405
1.83	6	6	19.686
2.13	7	7	22.967
2.44	8	8	26.248
2.74	9	9	29.529
3.05	10	10	32.810
3.35	11	11	36.091
3.66	12	12	39.372
3.96	13	13	42.653
4.27	14	14	45.934
4.57	15	15	49.215

Metres	Feet	Metres	Feet
4.88	16	16	52.496
5.18	17	17	55.777
5.49	18	18	59.058
5.79	19	19	62.339
6.10	20	20	65.620
6.40	21	21	68.901
6.71	22	22	72.182
7.01	23	23	75.463
7.31	24	24	78.744
7.62	25	25	82.025
7.92	26	26	85.306
8.23	27	27	88.587
8.53	28	28	91.868
8.84	29	29	95.149
9.14	30	30	98.430



ft	mtr	ft	mtr
3.2810	1	1	0.3048
6.5620	2	2	0.6096
9.8430	3	3	0.9144
13.1240	4	4	1.2191
16.4050	5	5	1.5239
19.6860	6	6	1.8287
22.9670	7	7	2.1335
26.2480	8	8	2.4383
29.5290	9	9	2.7431
32.8100	10	10	3.0479
36.0910	11	11	3.3526
39.3720	12	12	3.6574
42.6530	13	13	3.9622
45.9340	14	14	4.2670
49.2150	15	15	4.5718
52.4960	16	16	4.8766
55.7770	17	17	5.1813
59.0580	18	18	5.4861
62.3390	19	19	5.7909
65.6200	20	20	6.0957
68.9010	21	21	6.4005
72.1820	22	22	6.7053
75.4630	23	23	7.0101
78.7440	24	24	7.3148
82.0250	25	25	7.6196
85.3060	26	26	7.9244
88.5870	27	27	8.2292
91.8680	28	28	8.5340
95.1490	29	29	8.8388
98.4300	30	30	9.1436

ft	mtr	ft	mtr
101.7110	31	31	9.4483
104.9920	32	32	9.7531
108.2730	33	33	10.0579
111.5540	34	34	10.3627
114.8350	35	35	10.6675
118.1160	36	36	10.9723
121.3970	37	37	11.2770
124.6780	38	38	11.5818
127.9590	39	39	11.8866
131.2400	40	40	12.1914
134.5210	41	41	12.4962
137.8020	42	42	12.8010
141.0830	43	43	13.1058
144.3640	44	44	13.4105
147.6450	45	45	13.7153
150.9260	46	46	14.0201
154.2070	47	47	14.3249
157.4880	48	48	14.6297
160.7690	49	49	14.9345
164.0500	50	50	15.2393
167.3310	51	51	15.5440
170.6120	52	52	15.8488
173.8930	53	53	16.1536
177.1740	54	54	16.4584
180.4550	55	55	16.7632
183.7360	56	56	17.0680
187.0170	57	57	17.3728
190.2980	58	58	17.6775
193.5790	59	59	17.9823
196.8600	60	60	18.2871

ft	mtr	ft	mtr
200.1410	61	61	18.5919
203.4220	62	62	18.8967
206.7030	63	63	19.2015
209.9840	64	64	19.5062
213.2650	65	65	19.8110
216.5460	66	66	20.1158
219.8270	67	67	20.4206
223.1080	68	68	20.7254
226.3890	69	69	21.0302
229.6700	70	70	21.3350
232.9510	71	71	21.6397
236.2320	72	72	21.9445
239.5130	73	73	22.2493
242.7940	74	74	22.5541
246.0750	75	75	22.8589
249.3560	76	76	23.1637
252.6370	77	77	23.4685
255.9180	78	78	23.7732
259.1990	79	79	24.0780
262.4800	80	80	24.3828
265.7610	81	81	24.6876
269.0420	82	82	24.9924
272.3230	83	83	25.2972
275.6040	84	84	25.6020
278.8850	85	85	25.9067
282.1660	86	86	26.2115
285.4470	87	87	26.5163
288.7280	88	88	26.8211
292.0090	89	89	27.1259
295.2900	90	90	27.4307

ft	mtr	ft	mtr
298.5710	91	91	27.7354
301.8520	92	92	28.0402
305.1330	93	93	28.3450
308.4140	94	94	28.6498
311.6950	95	95	28.9546
314.9760	96	96	29.2594
318.2570	97	97	29.5642
321.5380	98	98	29.8689
324.8190	99	99	30.1737
328.1000	100	100	30.4785
656.2000	200	200	60.9570
984.3000	300	300	91.4355
1312.4000	400	400	121.9141
1640.5000	500	500	152.3926
1968.6000	600	600	182.8711
2296.7000	700	700	213.3496
2624.8000	800	800	243.8281
2952.9000	900	900	274.3066
3281.0000	1000	1000	304.7851

### Running mtrs in a m3

	16mm	19mm	22mm	25mm	32mm	38mm	44mm	47mm	50mm	63mm	75mm	100mm	125mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm
	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	1 7/8"	2"	2 1/2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
16mm	3906	3289	2841	2500	1953	1645	1420	1330	1250	992	833	625	500	417	357	313	278	250	227	208
5/8"	12816	10793	9321	8203	6408	5396	4661	4363	4101	3255	2734	2051	1641	1367	1172	1025	911	820	746	684
19mm	3289	2770	2392	2105	1645	1385	1196	1120	1053	835	702	526	421	351	301	263	234	211	191	175
3/4"	10793	9089	7849	6907	5396	4544	3925	3674	3454	2741	2302	1727	1381	1151	987	863	767	691	628	576
22mm	2841	2392	2066	1818	1420	1196	909	967	909	722	606	455	364	303	260	227	202	182	165	152
7/8"	9321	7849	6779	5965	4661	3925	2983	3173	2983	2367	1988	1491	1193	994	852	746	663	597	542	497
25mm	2500	2105	1818	1600	1250	1053	909	851	800	635	533	400	320	267	229	200	178	160	145	133
1"	8203	6907	5965	5250	4101	3454	2983	2792	2625	2083	1750	1312	1050	875	750	656	583	525	477	437
32mm	1953	1645	1420	1250	977	822	710	665	625	496	417	313	250	208	179	156	139	125	114	104
1 1/4"	6408	5396	4661	4101	3204	2698	2330	2182	2051	1627	1367	1025	820	684	586	513	456	410	373	342
38mm	1645	1385	1196	1053	822	693	598	560	526	418	351	263	211	175	150	132	117	105	96	88
1 1/2"	5396	4544	3925	3454	2698	2272	1962	1837	1727	1371	1151	863	691	576	493	432	384	345	314	288
44mm	1420	1196	1033	909	710	598	517	484	455	361	303	227	182	152	130	114	101	91	83	76
1 3/4"	4661	3925	3389	2983	2330	1962	1695	1587	1491	1184	994	746	597	497	426	373	331	298	271	249
47mm	1330	1120	967	851	665	560	484	453	426	338	284	213	170	142	122	106	95	85	77	71
1 7/8"	4363	3674	3173	2792	2182	1837	1587	1485	1396	1108	931	698	558	465	399	349	310	279	254	233
50mm	1250	1053	909	800	625	526	455	426	400	317	267	200	160	133	114	100	89	80	73	67
2"	4101	3454	2983	2625	2051	1727	1491	1396	1312	1042	875	656	525	437	375	328	292	262	239	219
63mm	992	835	722	635	496	418	361	338	317	252	212	159	127	106	91	79	71	63	58	53
2 1/2"	3255	2741	2367	2083	1627	1371	1184	1108	1042	827	694	521	417	347	298	260	231	208	189	174
75mm	833	702	606	533	417	351	303	284	267	212	178	133	107	89	76	67	59	53	48	44
3"	2734	2302	1988	1750	1367	1151	994	931	875	694	583	437	350	292	250	219	194	175	159	146
100mm	625	526	455	400	313	263	227	213	200	159	133	100	80	67	57	50	44	40	36	33
4"	2051	1727	1491	1312	1025	863	746	698	656	521	437	328	262	219	187	164	146	131	119	109



ft3	m3	ft3	m3
35.3147	1	1	0.0283
70.6294	2	2	0.0566
105.9441	3	3	0.0850
141.2588	4	4	0.1133
176.5735	5	5	0.1416
211.8882	6	6	0.1699
247.2029	7	7	0.1982
282.5176	8	8	0.2265
317.8323	9	9	0.2549
353.1470	10	10	0.2832
388.4617	11	11	0.3115
423.7764	12	12	0.3398
459.0911	13	13	0.3681
494.4058	14	14	0.3964
529.7205	15	15	0.4248
565.0352	16	16	0.4531
600.3499	17	17	0.4814
635.6646	18	18	0.5097
670.9793	19	19	0.5380
706.2940	20	20	0.5663
741.6087	21	21	0.5947
776.9234	22	22	0.6230
812.2381	23	23	0.6513
847.5528	24	24	0.6796
882.8675	25	25	0.7079
918.1822	26	26	0.7362
953.4969	27	27	0.7646
988.8116	28	28	0.7929
1024.1263	29	29	0.8212
1059.4410	30	30	0.8495

ft3	m3	ft3	m3
1094.7557	31	31	0.8778
1130.0704	32	32	0.9061
1165.3851	33	33	0.9345
1200.6998	34	34	0.9628
1236.0145	35	35	0.9911
1271.3292	36	36	1.0194
1306.6439	37	37	1.0477
1341.9586	38	38	1.0760
1377.2733	39	39	1.1044
1412.5880	40	40	1.1327
1447.9027	41	41	1.1610
1483.2174	42	42	1.1893
1518.5321	43	43	1.2176
1553.8468	44	44	1.2459
1589.1615	45	45	1.2743
1624.4762	46	46	1.3026
1659.7909	47	47	1.3309
1695.1056	48	48	1.3592
1730.4203	49	49	1.3875
1765.7350	50	50	1.4158
1801.0497	51	51	1.4442
1836.3644	52	52	1.4725
1871.6791	53	53	1.5008
1906.9938	54	54	1.5291
1942.3085	55	55	1.5574
1977.6232	56	56	1.5857
2012.9379	57	57	1.6141
2048.2526	58	58	1.6424
2083.5673	59	59	1.6707
2118.8820	60	60	1.6990

ft3	m3	ft3	m3
2154.1967	61	61	1.7273
2189.5114	62	62	1.7556
2224.8261	63	63	1.7840
2260.1408	64	64	1.8123
2295.4555	65	65	1.8406
2330.7702	66	66	1.8689
2366.0849	67	67	1.8972
2401.3996	68	68	1.9255
2436.7143	69	69	1.9539
2472.0290	70	70	1.9822
2507.3437	71	71	2.0105
2542.6584	72	72	2.0388
2577.9731	73	73	2.0671
2613.2878	74	74	2.0954
2648.6025	75	75	2.1238
2683.9172	76	76	2.1521
2719.2319	77	77	2.1804
2754.5466	78	78	2.2087
2789.8613	79	79	2.2370
2825.1760	80	80	2.2653
2860.4907	81	81	2.2937
2895.8054	82	82	2.3220
2931.1201	83	83	2.3503
2966.4348	84	84	2.3786
3001.7495	85	85	2.4069
3037.0642	86	86	2.4352
3072.3789	87	87	2.4636
3107.6936	88	88	2.4919
3143.0083	89	89	2.5202
3178.3230	90	90	2.5485

ft3	m3	ft3	m3
3213.6377	91	91	2.5768
3248.9524	92	92	2.6051
3284.2671	93	93	2.6335
3319.5818	94	94	2.6618
3354.8965	95	95	2.6901
3390.2112	96	96	2.7184
3425.5259	97	97	2.7467
3460.8406	98	98	2.7750
3496.1553	99	99	2.8034
3531.4700	100	100	2.8317
7062.9400	200	200	5.6634
10594.4100	300	300	8.4950
14125.8800	400	400	11.3267
17657.3500	500	500	14.1584
21188.8200	600	600	16.9901
24720.2900	700	700	19.8218
28251.7600	800	800	22.6535
31783.2300	900	900	25.4851
35314.7000	1000	1000	28.3168

## Conversion Factors

**Volume**

Feet to Metres	feet	Divide	3.281
Metres to Feet	Metres	Multiply	3.281

**Price**

Feet to Metres	ft Price	Multiply	3.281
Metres to Feet	Mtr Price	Divide	3.281

**Volume**

ft3 to m3	ft3	Divide	35.3147
m3 to ft3	m3	Multiply	35.3147

**Price**

ft3 to m3	ft3 price	Multiply	35.3147
m3 to ft3	m3 price	Divide	35.3147

**Calculate m3 volume**

300m		75	x	100		
Multiply all three totals to calculate m3						
300	x	0.075	x	0.100	=	2.25m3

**Calculate ft3 volume**

300ft		3	x	4		
Multiply all three totals, then divide the answer by 144 to calculate ft3						
300	x	3	x	4	Div	144 = 25.00ft3