

Table 6 - Log Volume Ready Reckoner - using metric dimensions to calculate cubic metre volume

Use this table as the first stage in estimating the cubic metres in a log.

The calculated amounts in the table assume an ideal, fully usable, perfectly round log with no waste.

To produce a more accurate estimate you will need to subtract amounts for cutting, boxed heart, sapwood, mudguts or other imperfection.

Millimetres to Cubic Metres
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Log length in mm																									
Log Diam mm	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	6000	6500	7000	10000	20000	30000
100	0.008	0.010	0.012	0.014	0.016	0.018	0.020	0.022	0.024	0.026	0.027	0.029	0.031	0.033	0.035	0.037	0.039	0.041	0.043	0.047	0.051	0.055	0.079	0.157	0.236
200	0.031	0.039	0.047	0.055	0.063	0.071	0.079	0.086	0.094	0.102	0.110	0.118	0.126	0.134	0.141	0.149	0.157	0.165	0.173	0.189	0.204	0.220	0.314	0.628	0.943
300	0.071	0.088	0.106	0.124	0.141	0.159	0.177	0.194	0.212	0.230	0.247	0.265	0.283	0.300	0.318	0.336	0.353	0.371	0.389	0.424	0.460	0.495	0.707	1.414	2.121
400	0.126	0.157	0.189	0.220	0.251	0.283	0.314	0.346	0.377	0.408	0.440	0.471	0.503	0.534	0.566	0.597	0.628	0.660	0.691	0.754	0.817	0.880	1.257	2.514	3.770
500	0.196	0.245	0.295	0.344	0.393	0.442	0.491	0.540	0.589	0.638	0.687	0.736	0.786	0.835	0.884	0.933	0.982	1.031	1.080	1.178	1.276	1.375	1.964	3.928	5.891
600	0.283	0.353	0.424	0.495	0.566	0.636	0.707	0.778	0.848	0.919	0.990	1.060	1.131	1.202	1.273	1.343	1.414	1.485	1.555	1.697	1.838	1.979	2.828	5.656	8.483
700	0.385	0.481	0.577	0.674	0.770	0.866	0.962	1.058	1.155	1.251	1.347	1.443	1.540	1.636	1.732	1.828	1.924	2.021	2.117	2.309	2.502	2.694	3.849	7.698	11.547
800	0.503	0.628	0.754	0.880	1.005	1.131	1.257	1.382	1.508	1.634	1.760	1.885	2.011	2.137	2.262	2.388	2.514	2.639	2.765	3.016	3.268	3.519	5.027	10.054	15.082
900	0.636	0.795	0.954	1.113	1.273	1.432	1.591	1.750	1.909	2.068	2.227	2.386	2.545	2.704	2.863	3.022	3.181	3.340	3.499	3.818	4.136	4.454	6.363	12.725	19.088
1000	0.786	0.982	1.178	1.375	1.571	1.767	1.964	2.160	2.357	2.553	2.749	2.946	3.142	3.338	3.535	3.731	3.928	4.124	4.320	4.713	5.106	5.499	7.855	15.710	23.565
1100	0.950	1.188	1.426	1.663	1.901	2.139	2.376	2.614	2.851	3.089	3.327	3.564	3.802	4.039	4.277	4.515	4.752	4.990	5.228	5.703	6.178	6.653	9.505	19.009	28.514
1200	1.131	1.414	1.697	1.979	2.262	2.545	2.828	3.111	3.393	3.676	3.959	4.242	4.524	4.807	5.090	5.373	5.656	5.938	6.221	6.787	7.352	7.918	11.311	22.622	33.934
1300	1.327	1.659	1.991	2.323	2.655	2.987	3.319	3.651	3.982	4.314	4.646	4.978	5.310	5.642	5.974	6.306	6.637	6.969	7.301	7.965	8.629	9.292	13.275	26.550	39.825
1400	1.540	1.924	2.309	2.694	3.079	3.464	3.849	4.234	4.619	5.004	5.389	5.773	6.158	6.543	6.928	7.313	7.698	8.083	8.468	9.237	10.007	10.777	15.396	30.792	46.187
1500	1.767	2.209	2.651	3.093	3.535	3.977	4.418	4.860	5.302	5.744	6.186	6.628	7.070	7.511	7.953	8.395	8.837	9.279	9.721	10.604	11.488	12.372	17.674	35.348	53.021
1600	2.011	2.514	3.016	3.519	4.022	4.524	5.027	5.530	6.033	6.535	7.038	7.541	8.044	8.546	9.049	9.552	10.054	10.557	11.060	12.065	13.071	14.076	20.109	40.218	60.326
1700	2.270	2.838	3.405	3.973	4.540	5.108	5.675	6.243	6.810	7.378	7.945	8.513	9.080	9.648	10.215	10.783	11.350	11.918	12.486	13.621	14.756	15.891	22.701	45.402	68.103
1800	2.545	3.181	3.818	4.454	5.090	5.726	6.363	6.999	7.635	8.271	8.908	9.544	10.180	10.816	11.453	12.089	12.725	13.361	13.998	15.270	16.543	17.815	25.450	50.900	76.351
1900	2.836	3.545	4.253	4.962	5.671	6.380	7.089	7.798	8.507	9.216	9.925	10.634	11.343	12.052	12.760	13.469	14.178	14.887	15.596	17.014	18.432	19.850	28.357	56.713	85.070
2000	3.142	3.928	4.713	5.499	6.284	7.070	7.855	8.641	9.426	10.212	10.997	11.783	12.568	13.354	14.139	14.925	15.710	16.496	17.281	18.852	20.423	21.994	31.420	62.840	94.260