



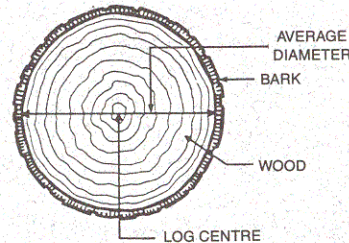
### LOG VOLUME (METRIC MEASUREMENT)

Accurate measurement of logs and log volume is important. It will help ensure you get the most of your stack of logs. The volume of a log can be calculated into cubic metres (m<sup>3</sup>) by: measuring the length of the log in metres, plus the diameter of the log at its small end in centimeters (cm). Once you have taken these two measurements, use them with the table below to determine log volume.

Standard lengths are: 1.9m (6 ft), 2.5m (8 ft), 3.1m (10 ft), 3.7m (12 ft), 4.3m (14 ft), 5.1m (16 ft). Common lengths for lumber measurements are: 2.5m, 3.7m and 5.1m.

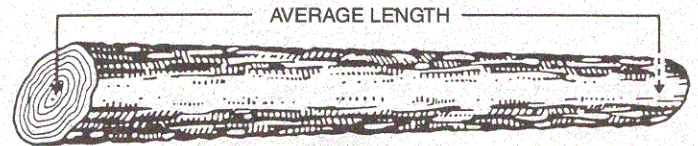
#### DIAMETER MEASUREMENTS

Diameters are measured in two centimetre classes across the small end of a log. The diameter should be taken inside the bark. However, when a measurement at a log end is not possible, the outside bark diameter may be used, but with a corresponding reduction for bark thickness.



#### LOG LENGTH MEASUREMENT

Log lengths are measured in metres accurate to one decimal place. Lengths are determined using tape measures or approved scale sticks.



#### DEFECT MEASUREMENT

Deductions are made for missing and charred wood, rot and advanced decay. The volume of a defect is determined using the geometric solid which best represents the shape of the defect.

### LOG VOLUME IN CUBIC METRES OF TAPERING CYLINDERS

DIAM (SMALL END)		LENGTH IN METRES					DIAM (SMALL END)		LENGTH IN METRES				
CM	1.9	2.5	3.1	3.7	4.3	5.1	CM	1.9	2.5	3.1	3.7	4.3	5.1
4	0.004	0.005	0.007	0.010	0.013	0.017	42	0.275	0.367	0.462	0.559	0.658	0.795
6	0.007	0.010	0.014	0.018	0.022	0.029	44	0.302	0.402	0.505	0.611	0.719	0.868
8	0.012	0.017	0.022	0.028	0.035	0.045	46	0.329	0.438	0.550	0.665	0.783	0.944
10	0.018	0.025	0.032	0.041	0.050	0.063	48	0.358	0.476	0.598	0.722	0.849	1.024
							50	0.387	0.516	0.647	0.781	0.918	1.106
12	0.025	0.034	0.045	0.056	0.068	0.085	52	0.418	0.557	0.698	0.843	0.990	1.192
14	0.033	0.046	0.059	0.073	0.088	0.110	54	0.451	0.599	0.751	0.906	1.065	1.281
16	0.043	0.058	0.075	0.093	0.111	0.138	56	0.484	0.644	0.806	0.973	1.142	1.373
18	0.054	0.073	0.093	0.115	0.137	0.169	58	0.519	0.689	0.863	1.041	1.222	1.469
20	0.065	0.089	0.113	0.139	0.166	0.204	60	0.554	0.737	0.922	1.112	1.304	1.567
22	0.079	0.106	0.135	0.165	0.197	0.241	62	0.591	0.786	0.983	1.185	1.390	1.669
24	0.093	0.125	0.159	0.194	0.231	0.282	64	0.630	0.836	1.046	1.260	1.478	1.774
26	0.108	0.146	0.185	0.225	0.268	0.326	66	0.669	0.888	1.111	1.338	1.569	1.882
28	0.125	0.168	0.213	0.259	0.307	0.374	68	0.709	0.942	1.178	1.418	1.662	1.994
30	0.143	0.192	0.242	0.295	0.349	0.424	70	0.751	0.997	1.246	1.500	1.758	2.108
32	0.162	0.217	0.274	0.333	0.394	0.478	72	0.794	1.054	1.317	1.585	1.857	2.226
34	0.182	0.244	0.308	0.373	0.441	0.535	74	0.838	1.112	1.390	1.672	1.958	2.347
36	0.204	0.272	0.343	0.416	0.492	0.595							
38	0.226	0.302	0.381	0.461	0.544	0.659							
40	0.250	0.334	0.420	0.509	0.600	0.725							