

DOYLE LOG SCALE CHART

Estimated board feet by small-end log diameter (inside bark) and log length

Diameter (in.)	8 ft	10 ft	12 ft	14 ft	16 ft
6	2	2	3	3	4
7	4	5	6	7	9
8	8	10	12	14	16
9	12	15	18	21	25
10	18	22	27	31	36
11	24	30	36	42	49
12	32	40	48	56	64
13	40	50	60	70	81
14	50	62	75	87	100
15	60	75	90	105	121
16	72	90	108	126	144
17	84	105	126	147	169
18	98	122	147	171	196
19	112	140	168	196	225
20	128	160	192	224	256
21	144	180	216	252	289
22	162	202	243	283	324
23	180	225	270	315	361
24	200	250	300	350	400
25	220	275	330	385	441
26	242	302	363	423	484
27	264	330	396	462	529
28	288	360	432	504	576
29	312	390	468	546	625
30	338	422	507	591	676
31	364	455	546	637	729
32	392	490	588	686	784
33	420	525	630	735	841
34	450	562	675	787	900
35	480	600	720	840	961
36	512	640	768	896	1024

How to use: Measure the small-end diameter inside the bark, find it in the left column, then read across to the log length. The intersecting value is the estimated board-foot volume.

Doyle formula: $BF = ((D - 4)^2 \times L) / 16$. D = small-end diameter in inches; L = log length in feet. Values are rounded down. Estimates vary with taper, defects, kerf, and sawing method.

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