

BALSA WOOD SELECTION GUIDE

Sheets are 3 x 36 in.

WEIGHTS ARE IN GRAMS

DENSITY LB/CU FT	1/32	1/16	3/32	1/8	3/16	1/4
3	2.7	5.3	8.0	10.6	15.9	21.2
3.2	2.8	5.7	8.5	11.3	17.0	22.6
3.4	3.0	6.0	9.0	12.0	18.0	24.1
3.6	3.2	6.4	9.6	12.7	19.1	25.5
3.8	3.4	6.7	10.1	13.4	20.2	26.9
4	3.5	7.1	10.6	14.2	21.2	28.3
4.2	3.7	7.4	11.1	14.9	22.3	29.7
4.4	3.9	7.8	11.7	15.6	23.4	31.1
4.6	4.1	8.1	12.2	16.3	24.4	32.6
4.8	4.2	8.5	12.7	17.0	25.5	34.0
5	4.4	8.8	13.3	17.7	26.5	35.4
5.2	4.6	9.2	13.8	18.4	27.6	36.8
5.4	4.8	9.6	14.3	19.1	28.7	38.2
5.6	5.0	9.9	14.9	19.8	29.7	39.6
5.8	5.1	10.3	15.4	20.5	30.8	41.1
6	5.3	10.6	15.9	21.2	31.9	42.5
6.2	5.5	11.0	16.5	21.9	32.9	43.9
6.4	5.7	11.3	17.0	22.6	34.0	45.3
6.6	5.8	11.7	17.5	23.4	35.0	46.7
6.8	6.0	12.0	18.0	24.1	36.1	48.1
7	6.2	12.4	18.6	24.8	37.2	49.5
7.2	6.4	12.7	19.1	25.5	38.2	51.0
7.4	6.5	13.1	19.6	26.2	39.3	52.4
7.6	6.7	13.4	20.2	26.9	40.3	53.8
7.8	6.9	13.8	20.7	27.6	41.4	55.2
8	7.1	14.2	21.2	28.3	42.5	56.6
8.2	7.3	14.5	21.8	29.0	43.5	58.0
8.4	7.4	14.9	22.3	29.7	44.6	59.5
8.6	7.6	15.2	22.8	30.4	45.7	60.9
8.8	7.8	15.6	23.4	31.1	46.7	62.3
9	8.0	15.9	23.9	31.9	47.8	63.7

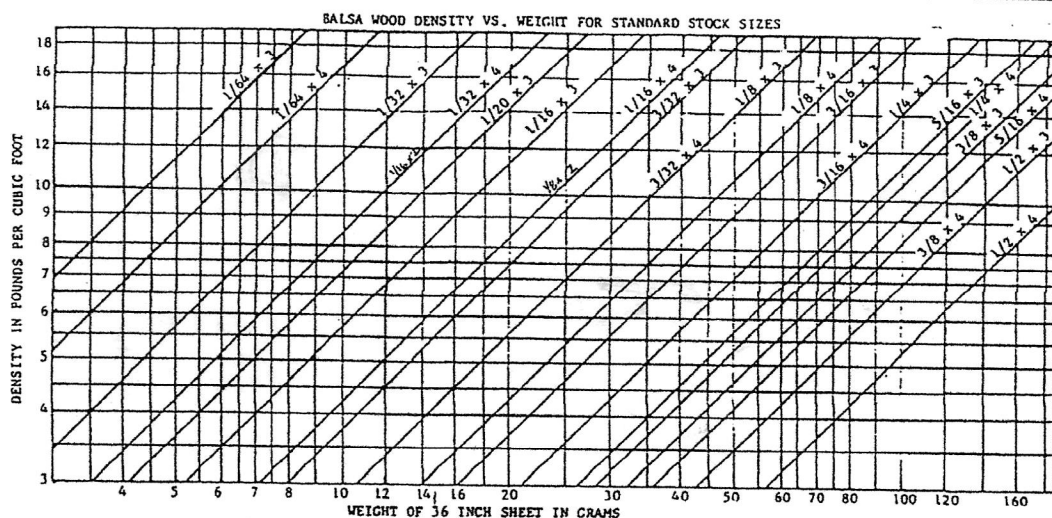
Decimal & Metric Equivalents

Fractional, Number and Letter Size Drills

DRILL SIZE	DECIMAL	MM	DRILL SIZE	DECIMAL	MM	DRILL SIZE	DECIMAL	MM
80	.0135	0.3429	29	.1360	3.4544	21/64	.3281	8.3337
79	.0145	0.3683	28	.1405	3.5687	20	.3125	7.9250
1/64	.0156	0.3962	9/64	.1406	3.5712	11/32	.3438	8.7325
78	.0160	0.4064	27	.1440	3.6576	10	.3125	7.9250
77	.0180	0.4572	26	.1470	3.7338	9/32	.2812	7.1438
76	.0200	0.5080	25	.1495	3.7973	8	.3125	7.9250
75	.0210	0.5334	24	.1520	3.8608	7/32	.2188	5.5575
74	.0225	0.5715	23	.1540	3.9116	3/8	.3750	9.5250
73	.0240	0.6096	5/32	.1562	3.9675	1/2	.5000	12.7000
72	.0250	0.6350	22	.1570	3.9878	5/16	.3125	7.9250
71	.0260	0.6604	21	.1590	4.0386	3/16	.1875	4.7625
70	.0280	0.7112	20	.1610	4.0894	1/4	.2500	6.3500
69	.0292	0.7417	19	.1660	4.2154	3/8	.3750	9.5250
68	.0310	0.7874	18	.1695	4.3053	1/2	.5000	12.7000
1/32	.0312	0.7925	17/64	.1719	4.3663	5/8	.6250	15.8750
67	.0320	0.8128	17	.1730	4.3942	3/4	.7500	19.0500
66	.0330	0.8382	16	.1770	4.4958	1	1.0000	25.4000
65	.0350	0.8890	15	.1800	4.5720	1 1/8	1.3750	34.9375
64	.0360	0.9144	14	.1820	4.6228	1 1/4	1.5000	38.1000
63	.0370	0.9398	13	.1850	4.6990	1 3/8	1.7500	44.4500
62	.0380	0.9652	3/16	.1875	4.7625	1 1/2	1.8750	47.6250
61	.0390	0.9906	12	.1890	4.8006	1 5/8	2.0625	52.7063
60	.0400	1.0160	11	.1910	4.8514	1 3/4	2.2500	57.1500
59	.0410	1.0414	10	.1935	4.9149	1 7/8	2.4375	61.8938
58	.0420	1.0668	9	.1960	4.9784	2	2.0000	50.8000
57	.0430	1.0922	8	.1990	5.0546	2 1/8	2.2500	57.1500
56	.0465	1.1811	7	.2010	5.1054	2 1/4	2.5000	63.5000
3/64	.0469	1.1913	13/64	.2031	5.1594	2 3/8	2.6875	68.2688
55	.0520	1.3208	6	.2040	5.1816	2 1/2	2.8125	71.8750
54	.0550	1.3970	5	.2055	5.2197	2 5/8	3.0625	77.7063
53	.0595	1.5113	4	.2090	5.3086	2 3/4	3.2500	83.4750
1/16	.0625	1.5875	3	.2130	5.4102	2 7/8	3.5000	88.9063
52	.0635	1.6129	7/32	.2188	5.5575	3	3.0000	76.2000
51	.0670	1.7018	2	.2210	5.6134	3 1/8	3.2500	83.4750
50	.0700	1.7780	1	.2280	5.7912	3 1/4	3.5000	88.9063
49	.0739	1.8771	A	.2340	5.9436	3 3/8	3.7500	95.2500
48	.0760	1.9304	15/64	.2344	5.9538	3 1/2	4.0000	101.6000
5/64	.0781	1.9844	B	.2380	6.0452	3 3/4	4.2500	108.2500
47	.0785	1.9939	C	.2420	6.1468	3 7/8	4.5000	114.9375
46	.0810	2.0574	D	.2460	6.2484	4	4.0000	101.6000
45	.0820	2.0828	1/4 (E)	.2500	6.3500	4 1/8	4.2500	108.2500
44	.0860	2.1844	F	.2570	6.5278	4 1/4	4.5000	114.9375
43	.0890	2.2606	G	.2610	6.6294	4 3/8	4.5000	114.9375
42	.0935	2.3749	17/64	.2656	6.7462	4 1/2	4.7500	121.2500
3/32	.0938	2.3825	H	.2660	6.7564	4 3/4	5.0000	127.0000
41	.0960	2.4384	I	.2720	6.9038	4 7/8	5.2500	133.7500
40	.0980	2.4892	J	.2770	7.0358	5	5.0000	127.0000
39	.0995	2.5273	K	.2810	7.1374	5 1/8	5.2500	133.7500
38	.1015	2.5781	L	.2812	7.1424	5 1/4	5.5000	140.5000
37	.1040	2.6416	M	.2900	7.3660	5 3/8	5.7500	146.2500
36	.1065	2.7051	19/64	.2969	7.5412	5 1/2	6.0000	152.4000
7/64	.1094	2.7788	N	.3020	7.6708	5 3/4	6.2500	158.7500
35	.1100	2.7940	5/16	.3125	7.9375	5 7/8	6.5000	165.4375
34	.1110	2.8194	O	.3160	8.0264	6	6.0000	152.4000
33	.1130	2.8702	P	.3230	8.2042	6 1/8	6.2500	158.7500
32	.1160	2.9464				6 1/4	6.5000	165.4375
31	.1200	3.0480				6 3/8	6.7500	172.1250
1/8	.1250	3.1750				6 1/2	7.0000	177.8000
30	.1285	3.2639				6 3/4	7.2500	184.5000

NFFS Digest Balsa Weight Chart

The following Chart has been shamelessly lifted from Carl Bakay's Southern Louisiana Indoor Modeling Journal, who in turn lifted it from a long ago NFFS Digest. The chart was originally submitted to NFFS by John Ferrer. A handy thing to have hanging over the workbench.



Note: for 2" wide stock, weigh and multiply by 2, then use 4" wide data

1/64X3	1/64X4	1/32X3	1/32X4	EQUIVALENT SIZES	1/16X3	1/16X4	3/32X3	3/32X4	1/8X4
1/8X3/8	1/4 SQ	1/8X1/4(3)	1/4X1/2	1/8X1/2(3)	1/4X1	3/16SQ(8)	3/8X1	1/2X1	
3/16X1/4		3/16X1/2		1/4X3/4	1/2SQ	3/8X3/4	1/2X3/4		
1/8SQ		1/4X3/8		3/8X1/2		3/8SQ(2)			

Table 2-2. Gram And Density Use Recommendations.

4-6 LB. A GRAIN: RIBS, SHEET TAILS, NOSE FILL-IN, PLANKING, CAP STRIPS
7-8 LB. A GRAIN: UPRIGHTS, FORMERS, PROPS, NOSE BLOCKS, T.E.
7-8 LB. C GRAIN: LONGERONS, L.E., SPARS, STRINGERS, FORMED TIPS

WARNING: X-ACTO blades are extremely sharp Use with caution Wear safety goggles