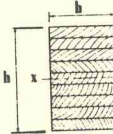


PROPERTIES OF SECTIONS—STRUCTURAL GLUED LAMINATED MEMBERS

1 5/8 inch laminations only.

This table is in the order of ascending section moduli.



Net Finished Size* b x h inches	Number of 1 5/8" Laminations*	Area of Section in Square Inches	Section Modulus S = bh ² /6	Moment of Inertia I = bh ³ /12	Weight in Pounds per Lineal Foot at 12% Moisture Content	Total Board Feet Required Per Lineal Foot of Piece	Net Finished Size* b x h inches	Number of 1 5/8" Laminations*	Area of Section in Square Inches	Section Modulus S = bh ² /6	Moment of Inertia I = bh ³ /12	Weight in Pounds per Lineal Foot at 12% Moisture Content	Total Board Feet Required Per Lineal Foot of Piece
2 1/4 x 6 1/2	4	14.6	15.8	51.5	3.45	2.00	7 x 26	16	182.	789.	10,250.	43.0	21.33
3 1/4 x 6 1/2	4	21.1	22.9	74.4	4.98	2.67	12 1/2 x 19 1/2	12	244.	792.	7,724.	57.5	28.00
2 1/4 x 8 1/8	5	18.3	24.8	101.	4.31	2.50	11 x 21 1/8	13	232.	818.	8,642.	54.8	26.00
4 1/4 x 6 1/2	4	27.6	29.9	97.3	6.52	3.33	7 x 27 3/8	17	193.	890.	12,300.	45.6	22.67
5 x 6 1/2	4	32.5	35.2	114.	7.67	4.00	9 x 24 3/8	15	219.	891.	10,860.	51.8	25.00
2 1/4 x 9 3/4	6	21.9	35.7	174.	5.18	3.00	14 1/2 x 19 1/2	12	283.	910.	8,960.	66.7	32.00
3 1/4 x 8 1/8	5	26.4	35.8	145.	6.23	3.33	12 1/2 x 21 1/8	13	264.	930.	9,820.	62.3	30.33
5 1/4 x 6 1/2	4	34.1	37.0	120.	8.05	4.00	11 x 22 3/4	14	250.	949.	10,790.	59.1	28.00
4 1/4 x 8 1/8	5	34.5	46.8	190.	8.15	4.17	7 x 29 1/4	18	205.	998.	14,600.	48.3	24.00
2 1/4 x 11 3/8	7	25.6	48.5	276.	6.04	3.50	9 x 26	16	234.	1,014.	13,180.	55.2	26.67
3 1/4 x 9 3/4	6	31.7	51.5	251.	7.48	4.00	12 1/2 x 22 3/4	14	284.	1,078.	12,270.	67.1	32.67
5 x 8 1/8	5	40.6	55.0	223.	9.59	5.00	14 1/2 x 21 1/8	13	306.	1,078.	11,390.	72.3	34.67
5 1/4 x 8 1/8	5	42.7	57.8	235.	10.1	5.00	11 x 24 3/8	15	268.	1,089.	13,280.	63.3	30.00
4 1/4 x 9 3/4	6	41.4	67.3	328.	9.78	5.00	7 x 30 7/8	19	216.	1,112.	17,170.	51.0	25.33
3 1/4 x 11 3/8	7	37.0	70.1	399.	8.72	4.67	9 x 27 3/8	17	249.	1,145.	15,810.	58.7	28.33
7 x 8 1/8	5	56.9	77.0	313.	13.4	6.67	7 x 32 1/2	20	228.	1,232.	20,030.	53.7	26.67
5 x 9 3/4	6	48.8	79.2	386.	11.5	6.00	12 1/2 x 24 3/8	15	305.	1,238.	15,090.	71.9	35.00
5 1/4 x 9 3/4	6	51.2	83.2	406.	12.1	6.00	11 x 26	16	286.	1,239.	16,110.	67.5	32.00
3 1/4 x 13	8	42.3	91.6	595.	9.97	5.33	14 1/2 x 22 3/4	14	330.	1,251.	14,230.	77.9	37.33
4 1/4 x 11 3/8	7	48.3	91.7	521.	11.4	5.83	9 x 29 1/4	18	263.	1,283.	18,770.	62.1	30.00
5 x 11 3/8	7	56.9	108.	613.	13.4	7.00	7 x 34 1/8	21	239.	1,359.	23,180.	56.4	28.00
7 x 9 3/4	6	68.3	111.	541.	16.1	8.00	11 x 27 3/8	17	304.	1,399.	19,320.	71.7	34.00
5 1/4 x 11 3/8	7	59.7	113.	644.	14.1	7.00	12 1/2 x 26	16	325.	1,408.	18,310.	76.7	37.33
3 1/4 x 14 3/8	9	47.5	116.	847.	11.2	6.00	9 x 30 7/8	19	278.	1,430.	22,070.	65.6	31.67
4 1/4 x 13	8	55.3	120.	778.	13.0	6.67	14 1/2 x 24 3/8	15	353.	1,436.	17,500.	83.4	40.00
5 x 13	8	65.0	141.	915.	15.3	8.00	7 x 35 3/4	22	250.	1,491.	26,650.	59.1	29.33
3 1/4 x 16 1/4	10	52.8	143.	1,162.	12.5	6.67	11 x 29 1/4	18	322.	1,569.	22,940.	75.9	36.00
9 x 9 3/4	6	87.8	143.	695.	20.7	10.00	9 x 32 1/2	20	293.	1,584.	25,750.	69.0	33.33
5 1/4 x 13	8	68.3	148.	961.	16.1	8.00	12 1/2 x 27 3/8	17	345.	1,590.	21,960.	81.5	39.67
7 x 11 3/8	7	79.6	151.	859.	18.8	9.33	14 1/2 x 26	16	377.	1,634.	21,240.	89.0	42.67
4 1/4 x 14 3/8	9	62.2	152.	1,108.	14.7	7.50	9 x 34 1/8	21	307.	1,747.	29,800.	72.5	35.00
5 x 14 3/8	9	73.1	178.	1,303.	17.3	9.00	11 x 30 7/8	19	340.	1,748.	26,980.	80.2	38.00
4 1/4 x 16 1/4	10	69.1	187.	1,520.	16.3	8.33	12 1/2 x 29 1/4	18	366.	1,782.	26,070.	86.3	42.00
5 1/4 x 14 3/8	9	76.8	187.	1,369.	18.1	9.00	14 1/2 x 27 3/8	17	401.	1,844.	25,470.	94.5	45.33
9 x 11 3/8	7	102.	194.	1,104.	24.2	11.67	9 x 35 3/4	22	322.	1,917.	34,270.	75.9	36.67
9 x 13	8	91.0	197.	1,282.	21.5	10.67	11 x 32 1/2	20	358.	1,936.	31,470.	84.4	40.00
5 x 16 1/4	10	81.3	220.	1,788.	19.2	10.00	12 1/2 x 30 7/8	19	386.	1,986.	30,660.	91.1	44.33
4 1/4 x 17 1/8	11	76.0	226.	2,023.	17.9	9.17	14 1/2 x 29 1/4	18	424.	2,068.	30,240.	100.	48.00
5 1/4 x 16 1/4	10	85.3	231.	1,877.	20.1	10.00	9 x 37 3/8	23	336.	2,095.	39,160.	79.4	38.33
11 x 11 3/8	7	125.	237.	1,349.	29.5	14.00	11 x 34 1/8	21	375.	2,135.	36,430.	88.6	42.00
7 x 14 3/8	9	102.	250.	1,825.	24.2	12.00	12 1/2 x 32 1/2	20	406.	2,201.	35,760.	95.9	46.67
9 x 13	8	117.	254.	1,648.	27.6	13.33	9 x 39	24	351.	2,282.	44,490.	82.8	40.00
5 x 17 1/8	11	89.4	266.	2,380.	21.1	11.00	14 1/2 x 30 7/8	19	448.	2,304.	35,560.	106.	50.67
4 1/4 x 19 1/2	12	82.9	269.	2,626.	19.6	10.00	11 x 35 3/4	22	393.	2,343.	41,880.	92.8	44.00
5 1/4 x 17 1/8	11	93.8	280.	2,499.	22.2	11.00	12 1/2 x 34 1/8	21	427.	2,426.	41,390.	101.	49.00
7 x 16 1/4	10	114.	308.	2,503.	26.8	13.33	9 x 40 5/8	25	366.	2,476.	50,290.	86.3	41.67
11 x 13	8	143.	310.	2,014.	33.8	16.00	14 1/2 x 32 1/2	20	471.	2,553.	41,480.	111.	53.33
4 1/4 x 21 1/8	13	89.8	316.	3,339.	21.2	10.83	11 x 37 1/8	23	411.	2,561.	47,860.	97.0	46.00
5 x 19 1/2	12	97.5	317.	3,090.	23.0	12.00	12 1/2 x 35 3/4	22	447.	2,663.	47,590.	105.	51.33
9 x 14 3/8	9	132.	321.	2,346.	31.1	15.00	9 x 42 1/4	26	380.	2,678.	56,560.	89.7	43.33
5 1/4 x 19 1/2	12	102.	333.	3,244.	24.2	12.00	11 x 39	24	429.	2,789.	54,380.	101.	48.00
12 1/2 x 13	8	163.	352.	2,289.	38.4	18.67	14 1/2 x 34 1/8	21	495.	2,814.	48,020.	117.	56.00
5 x 21 1/8	13	106.	372.	3,928.	24.9	13.00	9 x 43 7/8	27	395.	2,888.	63,350.	93.2	45.00
7 x 17 1/8	11	125.	373.	3,332.	29.5	14.67	12 1/2 x 37 3/8	23	467.	2,910.	54,380.	110.	53.67
5 1/4 x 21 1/8	13	111.	390.	4,124.	26.2	13.00	11 x 40 5/8	25	447.	3,026.	61,460.	105.	50.00
11 x 14 3/8	9	161.	392.	2,867.	38.0	18.00	14 1/2 x 35 3/4	22	518.	3,089.	55,210.	122.	58.67
9 x 16 1/4	10	146.	396.	3,218.	34.5	16.67	9 x 45 1/2	28	410.	3,105.	70,650.	96.6	46.67
5 x 22 3/4	14	114.	431.	4,906.	26.9	14.00	12 1/2 x 39	24	488.	3,169.	61,790.	115.	56.00
7 x 19 1/2	12	137.	444.	4,325.	32.2	16.00	11 x 42 1/4	26	465.	3,273.	69,130.	110.	52.00
12 1/2 x 14 3/8	9	183.	446.	3,258.	43.1	21.00	14 1/2 x 37 3/8	23	542.	3,376.	63,090.	128.	61.33
5 1/4 x 22 3/4	14	119.	453.	5,151.	28.2	14.00	12 1/2 x 40 3/8	25	508.	3,438.	69,840.	120.	58.33
9 x 17 1/8	11	161.	479.	4,284.	38.0	18.33	11 x 43 7/8	27	483.	3,529.	77,420.	114.	54.00
11 x 16 1/4	10	179.	484.	3,933.	42.2	20.00	14 1/2 x 39	24	566.	3,676.	71,680.	133.	64.00
5 x 24 3/8	15	122.	495.	6,034.	28.8	15.00	12 1/2 x 42 1/4	26	528.	3,719.	78,560.	125.	60.67
14 1/2 x 14 3/8	9	212.	517.	3,780.	50.1	24.00	11 x 45 1/2	28	501.	3,795.	86,350.	118.	56.00
5 1/4 x 24 3/8	15	128.	520.	6,336.	30.2	15.00	14 1/2 x 40 3/8	25	589.	3,988.	81,020.	139.	66.67
7 x 21 1/8	13	148.	521.	5,499.	34.9	17.33	12 1/2 x 43 7/8	27	548.	4,010.	87,980.	127.	63.00
12 1/2 x 16 1/4	10	203.	550.	4,470.	47.9	23.33	11 x 47 1/8	29	518.	4,071.	95,930.	122.	58.00
5 x 26	16	130.	563.	7,323.	30.7	16.00	12 1/2 x 45 1/2	28	569.	4,313.	98,120.	134.	65.33
9 x 19 1/2	12	176.	570.	5,561.	41.4	20.00	14 1/2 x 42 1/4	26	613.	4,314.	91,130.	145.	69.33
11 x 17 1/8	11	197.	586.	5,235.	46.4	22.00	11 x 48 3/4	30	536.	4,357.	106,200.	127.	60.00
5 1/4 x 26	16	137.	592.	7,690.	32.2	16.00	12 1/2 x 47 1/8	29	589.	4,627.	109,010.	139.	67.67
7 x 22 3/4	14	159.	604.	6,868.	37.6	18.67	11 x 50 3/8	31	554.	4,652.	117,180.	131.	62.00
14 1/2 x 16 1/4	10	236.	638.	5,185.	55.6	26.67	14 1/2 x 43 7/8	27	636.	4,652.	102,060.	150.	72.00
12 1/2 x 17 1/8	11	223.	666.	5,949.	52.7	25.67	12 1/2 x 48 3/4	30	609.	4,951.	120,680.	144.	70.00
9 x 21 1/8	13	190.	669.	7,071.	44.9	21.67	14 1/2 x 45 1/2	28	660.	5,003.	113,820.	156.	74.67
7 x 24 3/8	15	171.	693.	8,448.	40.3	20.00	12 1/2 x 50 3/8	31	630.	5,287.	133,160.	149.	72.33
11 x 19 1/2	12	215.	697.	6,797.	50.6	24.00	14 1/2 x 47 1/8	29	683.	5,367.	126,460.	161.	77.33
14 1/2 x 17 1/8	11	259.	772.	6,901.	61.2	29.33	14 1/2 x 48 3/4	30	707.	5,743.	139,990.	167.	80.00
9 x 22 3/4	14	205.	776.	8,831.	48.3	23.33	14 1/2 x 50 3/8	31	730.	6,133.	154,470.	172.	82.67

*With glued laminated structural lumber, many additional sizes may be obtained. Greatest economy will result by using standard widths and depths that are multiples of standard board and dimensions lumber thicknesses.