

Softwood Lumber - Dimensions

Commercial softwood lumber dimension chart - nominal and actual sizes

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Dimensional lumber is a term used for lumber that is finished - planed and cut - to a standardized width and depth specified in inches.



Commercial lumber dimensions - American Softwood Lumber Standards - nominal and actual sizes are indicated in the table below.

General rule converting nominal to actual softwood dimensions

- subtract 1/4 inch for dimensions under 2 inches (51 mm)
- subtract 1/2 inch for dimensions under 8 inches (200 mm)
- subtract 3/4 inch for larger dimensions

Nominal Size (in x in)	Actual Size		Weight (lb/ft)
	(in x in)	(mm x mm)	
1 x 1	3/4 x 3/4	19 x 19	0.14
1 x 2	3/4 x 1 1/2	19 x 38	0.27
1 x 3	3/4 x 2 1/2	19 x 64	0.47
1 x 4	3/4 x 3 1/2	19 x 89	0.64
1 x 6	3/4 x 5 1/2	19 x 140	1.00
1 x 8	3/4 x 7 1/4	19 x 184	1.32
1 x 10	3/4 x 9 1/4	19 x 235	1.69
1 x 12	3/4 x 11 1/4	19 x 286	2.05

2 x 2	1 1/2 x 1 1/2	38 x 38	0.55
2 x 3	1 1/2 x 2 1/2	38 x 64	0.94
2 x 4	1 1/2 x 3 1/2	38 x 89	1.28
2 x 6	1 1/2 x 5 1/2	38 x 140	2.00
2 x 8	1 1/2 x 7 1/4	38 x 184	2.64
2 x 10	1 1/2 x 9 1/4	38 x 235	3.37
2 x 12	1 1/2 x 11 1/4	38 x 286	4.10
2 x 14	1 1/2 x 13 1/4	38 x 337	4.83
3 x 3	2 1/2 x 2 1/2	64 x 64	1.52
3 x 4	2 1/2 x 3 1/2	64 x 89	2.13
3 x 6	2 1/2 x 5 1/2	64 x 140	3.34
3 x 8	2 1/2 x 7 1/4	64 x 184	4.41
3 x 10	2 1/2 x 9 1/4	64 x 235	5.62
3 x 12	2 1/2 x 11 1/4	64 x 286	6.84
3 x 14	2 1/2 x 13 1/4	64 x 337	8.05
3 x 16	2 1/2 x 15 1/4	64 x 387	9.27
4 x 4	3 1/2 x 3 1/2	89 x 89	2.98
4 x 6	3 1/2 x 5 1/2	89 x 140	4.68
4 x 8	3 1/2 x 7 1/4	89 x 184	6.17
4 x 10	3 1/2 x 9 1/4	89 x 235	7.78
4 x 12	3 1/2 x 11 1/4	89 x 286	9.57
4 x 14	3 1/2 x 13 1/4	89 x 337	11.28
4 x 16	3 1/2 x 15 1/4	89 x 387	12.98

- 1 lb/ft = 1.48 kg/m
- 1 in (inch) = 25.4 mm

Weight is based on 35 lb/ft^3 actual volume.

- **Rough Lumber** - sawn, trimmed and edged - faces are rough with saw marks
- **Surfaced Lumber (dressed)** - Rough lumber that has been smoothed on one or more sides and edges by a surfacing machine.
- **Worked Lumber** - Surfaced lumber that has been matched and patterned

Dry lumber is defined as lumber with less than 19% moisture. Unseasoned or green lumber is lumber with more than 19% moisture.

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