Lumber Sizes: Nominal vs Actual

Minimum dressed sizes of softwood lumber (thickness x width). Dry = 19% moisture content or less; green = over 19%.

Boards (nominal 1 in thick)

NOMINAL	ACTUAL DRY, IN	ACTUAL DRY, MM	GREEN, IN
1x2	3/4 x 1-1/2	19.1 x 38.1	25/32 x 1-9/16
1x3	3/4 x 2-1/2	19.1 x 63.5	25/32 x 2-9/16
1x4	3/4 x 3-1/2	19.1 x 88.9	25/32 x 3-9/16
1x5	3/4 x 4-1/2	19.1 x 114.3	25/32 x 4-5/8
1x6	3/4 x 5-1/2	19.1 x 139.7	25/32 x 5-5/8
1x8	3/4 x 7-1/4	19.1 x 184.2	25/32 x 7-1/2
1x10	3/4 x 9-1/4	19.1 x 235.0	25/32 x 9-1/2
1x12	3/4 x 11-1/4	19.1 x 285.8	25/32 x 11-1/2

Dimension lumber (nominal 2-4 in thick)

NOMINAL	ACTUAL DRY, IN	ACTUAL DRY, MM	GREEN, IN
2x2	1-1/2 x 1-1/2	38.1 x 38.1	1-9/16 x 1-9/16
2x3	1-1/2 x 2-1/2	38.1 x 63.5	1-9/16 x 2-9/16
2x4	1-1/2 x 3-1/2	38.1 x 88.9	1-9/16 x 3-9/16
2x6	1-1/2 x 5-1/2	38.1 x 139.7	1-9/16 x 5-5/8
2x8	1-1/2 x 7-1/4	38.1 x 184.2	1-9/16 x 7-1/2
2x10	1-1/2 x 9-1/4	38.1 x 235.0	1-9/16 x 9-1/2
2x12	1-1/2 x 11-1/4	38.1 x 285.8	1-9/16 x 11-1/2
2x14	1-1/2 x 13-1/4	38.1 x 336.6	1-9/16 x 13-1/2
2x16	1-1/2 x 15-1/4	38.1 x 387.4	1-9/16 x 15-1/2
3x4	2-1/2 x 3-1/2	63.5 x 88.9	2-9/16 x 3-9/16
3x6	2-1/2 x 5-1/2	63.5 x 139.7	2-9/16 x 5-5/8
3x8	2-1/2 x 7-1/4	63.5 x 184.2	2-9/16 x 7-1/2
3x10	2-1/2 x 9-1/4	63.5 x 235.0	2-9/16 x 9-1/2
3x12	2-1/2 x 11-1/4	63.5 x 285.8	2-9/16 x 11-1/2
4x4	3-1/2 x 3-1/2	88.9 x 88.9	3-9/16 x 3-9/16
4x6	3-1/2 x 5-1/2	88.9 x 139.7	3-9/16 x 5-5/8
4x8	3-1/2 x 7-1/4	88.9 x 184.2	3-9/16 x 7-1/2
4x10	3-1/2 x 9-1/4	88.9 x 235.0	3-9/16 x 9-1/2
4x12	3-1/2 x 11-1/4	88.9 x 285.8	3-9/16 x 11-1/2

Scan for the interactive version:

whatsizeis.com/lumber/

Minimum dressed sizes per NIST Voluntary Product Standard PS 20-25, American Softwood Lumber Standard (2025), Table 3. Dry = 19% moisture content or less; green = over 19%. mm = in x 25.4. Method: whatsizeis.com/how-we-calculate/

Lumber Sizes: Nominal vs Actual (continued)

Timbers (nominal 5 in and thicker)

NOMINAL	ACTUAL DRY, IN	ACTUAL DRY, MM	GREEN, IN
6x6	5-1/2 x 5-1/2	139.7 x 139.7	5-1/2 x 5-1/2
6x8	5-1/2 x 7-1/4	139.7 x 184.2	5-1/2 x 7-1/2
6x10	5-1/2 x 9-1/4	139.7 x 235.0	5-1/2 x 9-1/2
6x12	5-1/2 x 11-1/4	139.7 x 285.8	5-1/2 x 11-1/2
8x8	7-1/4 x 7-1/4	184.2 x 184.2	7-1/2 x 7-1/2
8x10	7-1/4 x 9-1/4	184.2 x 235.0	7-1/2 x 9-1/2
8x12	7-1/4 x 11-1/4	184.2 x 285.8	7-1/2 x 11-1/2
10x10	9-1/4 x 9-1/4	235.0 x 235.0	9-1/2 x 9-1/2
12x12	11-1/4 x 11-1/4	285.8 x 285.8	11-1/2 x 11-1/2

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Minimum dressed sizes per NIST Voluntary Product Standard PS 20-25, American Softwood Lumber Standard (2025), Table 3. Dry = 19% moisture content or less; green = over 19%. mm = in x 25.4. Method: whatsizeis.com/how-we-calculate/