



Allowable Property Values for Western Juniper

Western Juniper

Grade	Extreme fiber in bending		Tension parallel to grain	Comp. parallel to grain	Comp. Perpen. to grain	Horiz. shear	Modulus of elasticity
	Fb (psi)		Ft (psi)	Fc (psi)	Fc [⊥] (psi)	Fv (psi)	E (psi)
	2" nom.	4" nom.					

BASE VALUES

Select Structural	925		525	225	770	125	600,000
No. 1	800		425	200	770	125	600,000
No. 2	650		350	175	770	125	500,000
No. 3	375		200	100	770	125	500,000
Construction Standard	750		400	200	770	125	500,000
Utility	425		225	175	770	125	500,000
Stud	200		100	100	770	125	400,000
Stud	500		275	100	770	125	500,000

2x4 Size Adjusted Values

Select Structural	1,390	1,390	790	260	770	125	600,000
No. 1	1,200	1,200	640	230	770	125	600,000
No. 2	975	975	525	200	770	125	500,000
No. 3	565	565	300	115	770	125	500,000
Construction Standard	750	750	400	200	770	125	500,000
Utility	425	425	225	175	770	125	500,000
Stud	200	200	100	100	770	125	400,000
Stud	550	550	305	105	770	125	500,000

2x6 Size Adjusted Values

Select Structural	1,205	1,205	685	250	770	125	600,000
No. 1	1,040	1,040	555	220	770	125	600,000
No. 2	845	845	455	195	770	125	500,000
No. 3	490	490	260	110	770	125	500,000
Stud	500	500	275	100	770	125	500,000

2x8 Size Adjusted Values

Select Structural	1,110	1,205	630	235	770	125	600,000
No. 1	960	1,040	510	210	770	125	600,000
No. 2	780	845	420	185	770	125	500,000
No. 3	450	490	240	105	770	125	500,000
Stud	450	490	240	105	770	125	500,000

2x10 Size Adjusted Values

Select Structural	1,020	1,110	580	225	770	125	600,000
No. 1	880	960	470	200	770	125	600,000
No. 2	715	780	385	175	770	125	500,000
No. 3	415	450	220	100	770	125	500,000
Stud	415	450	220	100	770	125	500,000

2x12 Size Adjusted Values

Select Structural	925	1,020	525	225	770	125	600,000
No. 1	800	880	425	200	770	125	600,000
No. 2	650	715	350	175	770	125	500,000
No. 3	375	415	200	100	770	125	500,000
Stud	375	415	200	100	770	125	500,000

2x14 & Wdr. Size Adjusted Values

Select Structural	835	925	475	205	770	125	600,000
No. 1	720	800	385	180	770	125	600,000
No. 2	585	650	315	160	770	125	500,000
No. 3	340	375	180	90	770	125	500,000
Stud	340	375	180	90	770	125	500,000

Specific Gravity (all grades) = 0.42

Notes: All values are in pounds per square inch (psi). Values for specific widths are the product of the Base Value for the grade and the width adjustment factor (see Standard Grading Rules No. 17, Para. 200 Table 4). Values for specific sizes are rounded to the nearest 5 psi. Property values are for dimension lumber surfaced either green or dry used at 19% maximum moisture content as in most covered structures. For other use conditions see WCLIB Standard Grading Rules No. 17. Allowable property values are for Normal Loading. Published property values are developed in accordance with ASTM standards D1990, D2555, D245. Published Base Values are approved by the American Lumber Standard Committee Board of Review. Assigned Specific Gravity for all grades = 0.42

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