



Western Juniper Lumber Grading Rules

Updated February 1, 2016

Western Juniper Lumber Grading Rules – DEFINITIONS

Bark pocket

Depressions in the surface of the lumber often containing bark from the exterior



Bow

The gap in the center of the board when laid on its face



Crook

The gap in the center of the board when laid on edge



Heart / Sap

The red (heart center) of the log versus the white (sap) that is between the heart and the bark



Knot holes / Loose knots

A knot that can be moved with a finger, or a hole where a knot once was



Western Juniper Lumber Grading Rules – DEFINITIONS

Rot / Punk

Rotten, decayed wood



Split

A separation of the grain



Wane edge

Missing fiber caused by the saw missing the taper of the log



DIMENSIONS:

Length

The length of the rough sawn board or timber

Thickness

The thickness of the rough sawn board or timber

Width

The width of the rough sawn board or timber

Western Juniper Lumber Grading Rules – LANDSCAPE GRADE

- For use in landscaping, including posts, poles, and landscape timbers
- 2x, 3x, 4x, 5x, and 6x Thicknesses



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|---------------------------------|---|
| Bark pocket | Allowed on any face, not to exceed $\frac{1}{2}$ width or thickness |
| Bow | No more than 1" bow allowed in length of timber |
| Crook | No more than 1" crook allowed in length of timber |
| Heart / Sap | Any combination of Heart (red) and Sap (white) |
| Knot holes / Loose knots | No more than $\frac{1}{2}$ the thickness or width |
| Length | Minus 0, plus 2" |
| Rot / Punk | Allowed on any face, not to exceed $\frac{1}{2}$ width or thickness |
| Split | Allowed up to 6" |
| Thickness | Thickness to plus or minus $\frac{1}{16}$ " |
| Wane edge | Allowed on any edge, not to exceed 32" |
| Width | Plus or minus $\frac{1}{16}$ " |

Western Juniper Lumber Grading Rules – SIDING / DECKING GRADE

- For use in remanufacturing of finished products including siding, decking and paneling
- 4/4, 5/4, 6/4, 7/4, 8/4 Lumber
- Graded 1 face – 2 edges



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|---------------------------------|--|
| Bark pocket | Allowed – no more than ½ the thickness or width |
| Bow | No more than 2” bow allowed in length of board |
| Crook | No more than 1” crook allowed in length of board |
| Heart / Sap | All combinations of Heart/Sap allowed |
| Knot holes / Loose knots | No more than ½ the thickness or width |
| Length | Minus 0, plus 2” |
| Rot / Punk | Not allowed |
| Split | Not allowed |
| Thickness | Plus or minus 1/16” |
| Wane edge | Not to exceed ½ the thickness |
| Width | Plus or minus 1/16” |

Western Juniper Lumber Grading Rules – CUTSTOCK GRADE

- For use in remanufacturing of finished products including mouldings, wainscot and cabinets
- 4/4, 5/4, 6/4, 7/4, 8/4 Lumber
- Graded 1 face – 2 edges
- After defect cutting, board must yield 67% (12" cutting minimum)



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|---------------------------------|---|
| Bark pocket | Defect |
| Bow | No more than 2" bow allowed in length of board |
| Crook | No more than 1" crook allowed in length of board |
| Heart / Sap | All combinations of Heart / Sap allowed |
| Knot holes / Loose knots | Defect |
| Length | Minus 0, plus 2" |
| Rot / Punk | Defect |
| Split | Defect |
| Thickness | Plus or minus 1/16" |
| Wane edge | No more than 1/2 back edge allowed; Any more than 1/2 back edge is a defect |
| Width | Plus or minus 1/16" |

Western Juniper Lumber Grading Rules – MOLDING GRADE

- For use in remanufacturing of finished products including moldings, doors, cabinets and wainscot
- 4/4, 5/4, 6/4, 7/4, 8/4 Lumber
- Graded 1 face – 2 edges



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|---------------------------------|--|
| Bark pocket | Not allowed |
| Bow | No more than 2" bow allowed in length of board |
| Crook | No more than 1" crook allowed in length of board |
| Heart / Sap | All combinations of Heart/Sap allowed |
| Knot holes / Loose knots | Not allowed |
| Length | Minus 0, plus 2" |
| Rot / Punk | Not allowed |
| Split | Not allowed |
| Thickness | Plus or minus 1/16" |
| Wane edge | Not to exceed ½ the back thickness |
| Width | Plus or minus 1/16" |



The Western Juniper Alliance is growing the market for Western Juniper to sustain and cultivate business opportunities. WJA also promotes training programs for a qualified workforce, and makes sure that small businesses have the financial resources they need to grow and create jobs in rural communities.

Learn more: www.westernjuniper.org