

PDS Pallet Component Grades

Lumber Characteristic Restrictions

Lumber Characteristic	Pallet Component Grade				
	Select	Premium	Standard	Utility	Economy*
Sound Knots	¼ of Cross Section <u>Stringer Notch Area:</u> 1/8 of Above Notch Cross Section	1/3 of Cross Section <u>Stringer Notch Area:</u> ¼ of Above Notch Cross Section	½ of Cross Section <u>Stringer Notch Area:</u> 1/3 of Above Notch Cross Section	¾ of Cross Section <u>Stringer Notch Area:</u> ½ of Above Notch Cross Section	7/8 of Cross Section <u>Stringer Notch Area:</u> 5/8 of Above Notch Cross Section
Unsound Knots, Loose Knots, Holes	1/8 of Cross Section	¼ of Cross Section	1/3 of Cross Section	½ of Cross Section	½ of Cross Section
Cross Grain	1 in 10	1 in 8	1 in 6	1 in 4	Not Limited
Localized Grain Disorientation	¼ of Cross Section	1/3 of Cross Section	½ of Cross Section	2/3 of Cross Section	Not Limited
Splits, Checks, Shake	¼ of Part Length	1/3 of Part Length	½ of Part Length	¾ of Part Length	Must not completely separate Component
Wane	1/16 of Cross Section <u>Stringers or Blocks:</u> 1/16 Nail Face x ¼ Height <u>Boards:</u> 1/8 Width x 1/3 Thickness (Any Length)	1/8 of Cross Section <u>Stringers or Blocks:</u> 1/8 Nail Face x 1/3 Height <u>Boards:</u> 1/6 Width x 1/2 Thickness (Any Length)	3/16 of Cross Section <u>Stringers or Blocks:</u> 1/3 Nail Face x 1/3 Height <u>Boards:</u> ¼ Width x 2/3 Thickness (Any Length)	1/4 of Cross Section <u>Stringers or Blocks:</u> 1/2 Nail Face x 1/2 Height <u>Boards:</u> 1/3 Width x Full Thickness (Any Length)	5/16 of Cross Section <u>Stringers or Blocks:</u> 5/8 Nail Face x 2/3 Height <u>Boards:</u> 1/2 Width x Full Thickness (Any Length)
Unsound Wood	None	1/8 of Cross Section	¼ of Cross Section	1/3 of Cross Section	1/2 of Cross Section
Pith	None	Not Limited	Not Limited	Not Limited	Not Limited
Mismanufacture	None	1/16 of Cross Section	1/8 of Cross Section	3/16 of Cross Section	¼ of Cross Section

* Economy Component Grade permits lumber characteristics which prevent reliable estimates of strength, stiffness, or durability. Design Values are only available for components of Utility Grade and above.