



# THE JANKA HARDNESS TEST

The hardness of timber is measured by the Janka hardness test that measures the force that is required to embed an 11.28mm steel ball to half its depth into wood. It is an industry standard for determining the ability of a particular timber species to withstand denting and wear.

Species	Janka Rating (kN)
American Oak	6.0
Australian Beech	7.5
Bamboo (horizontal)	5.87
Bamboo (vertical)	6.58
Bamboo (strand woven)	16.10
Blackbutt	9.1
Brazilian Walnut	16.37
Brushbox	9.5
Cypress Pine	6.1
Flooded / Rose Gum	7.5
Forest Reds	9.1
Ironbark	14.0
Grey Box	15.0
Jarrah	8.5
Karri	9.0
Merbau	8.56
Messmate	7.1
New England Oak	6.1
Northern Beech	7.5
Red Mahogany	12.0
Ribbon Gum	6.1
Spotted Gum	11.0
Stringybark	8.1
Sydney Blue Gum	9.01
Tallowwood	8.6
Tasmanian Oak	5.5
Turpentine	12.0
Victorian Ash	4.49