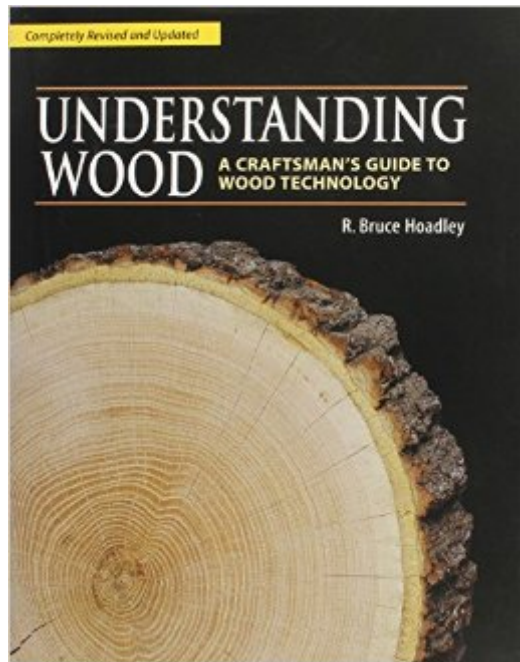


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# Understanding Wood: A Craftsman's Guide To Wood Technology



## Synopsis

The first edition of *Understanding Wood* was published in 1980 and has since sold more than 130,000 copies. It is widely held as a definitive reference work and the cornerstone of every woodworker's library. Now, Bruce Hoadley's comprehensive guide to wood technology has been revised and updated in this 20th-anniversary edition of a classic. New information on composite materials, adhesives, and finishes brings this book into the 21st century, while more than 300 photographs bring important visual information to life. This edition covers the nature of wood and its properties, the basics of wood technology, and the woodworker's raw materials. *Understanding Wood* was written for woodworkers by a scientist with a love of woodworking. It will be sought after by craftsmen and collectors alike.

## Book Information

Hardcover: 288 pages

Publisher: The Taunton Press; 1st edition (October 2000)

Language: English

ISBN-10: 1561583588

ISBN-13: 978-1561583584

Product Dimensions: 8.9 x 1.3 x 10.9 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars [See all reviews](#) (115 customer reviews)

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## Customer Reviews

This book takes you from qualitative to quantitative understanding by means of accurate, readable explanations and a minimum of fuss. For instance, after explaining why a house settles, Hoadley shows us clearly how to estimate how much it will settle and what a knowledgeable builder could do about it. Or take this simple woodworking situation: you are building a towel rack from two side pieces of white pine drilled to accept a maple dowel. Exactly how much wider should the hole be than the dowel so that expansion and contraction due to moisture changes in the bathroom won't split the sides? A little time spent with this book will give you the ability to answer questions like these, quickly, exactly, and with authority. No more guessing about the effects of moisture,

temperature, finish, and loads on wood: just look up the data in the clear and handy tables and graphs Hoadley provides and do the simple calculations (it's multiplication and division, folks, with nothing harder than an occasional exponent). Almost every chapter contains revelations for the newcomer to woodworking. Early on we learn not only that wood changes size with moisture, but by how much (according to species), in which directions, how this affects its shape, and what are the common and best techniques to compensate for or design for these changes when building anything with wood. Later we learn how to relate these moisture changes to humidity--there's a clear and handy chart, as well as an easily memorized rule of thumb--and how to build and calibrate a simple shop hygrometer. In another chapter Hoadley applies this information to a discussion culminating in valuable information on sanding and finishing wood.

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