INTERNATIONAL STANDARD

ISO 13910

Second edition
2014-05-01

Timber structures — Strength graded timber — Test methods for structural properties

Structure en bois — Bois classé selon la résistance — Méthodes d'essai des propriétés structurelles

Reference number
ISO 13910:2014(E)

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Published in Switzerland

Contents

Page

Foreword ... **iv**
Introduction ... **v**
1 Scope ... **1**
2 Terms and definitions ... **1**
3 Symbols and abbreviated terms ... **2**
3.1 General notation ... 2
3.2 Subscripts ... 3
4 Test specimens ... **3**
5 Test conditions ... **3**
6 Test configurations ... **3**
6.1 Density ... 3
6.2 Bending strength and stiffness ... 4
6.3 Tension strength parallel to the grain ... 5
6.4 Compression strength parallel to the grain ... 6
6.5 Shear strength parallel to the grain ... 7
6.6 Tension strength perpendicular to the grain ... 9
6.7 Compression strength and stiffness perpendicular to the grain ... 11
6.8 Torsional shear modulus ... 13
7 Adjustment for non-reference test conditions ... **14**
8 Test report ... **15**
Annex A (informative) **Adjustment factors for non-reference condition** ... **16**
Bibliography ... **17**

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Foreword

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The committee responsible for this document is ISO/TC 165 *Timber Structures*.

This second edition cancels and replaces the first edition (ISO 13910:2005), which has been technically revised.

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Introduction

This International Standard provides requirements for testing of structural properties for a specific grade and size of sawn timber. In accordance with the requirements of performance-based International Standards, it is concerned with the measurement of properties similar to those that occur under service conditions and are intended for deriving engineering properties in structural design codes. Hence, terms such as “bending strength”, “shear strength”, “bearing strength”, etc. relate to the loading configuration used and to the targeted mode of failure.

It is not the intent to imply that every property of every grade and size of timber used in building construction needs to be assessed according to this International Standard. The requirements for any assessment typically are specified in building regulations, quality manuals or other material standards and specifications.

This document is an internationally-agreed reference standard for measurement of structural properties of strength-graded timber. Other standards related to the measurement of structural properties may be deemed to comply with this International Standard, provided that the adjustments necessary to establish equivalency between this and other standards are applied appropriately

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Timber structures — Strength graded timber — Test methods for structural properties

1 Scope

This International Standard specifies test procedures for full-size sawn timber that has been strength-graded, for the derivation of design properties in codes dealing with structural engineering design. It is applicable to sawn timber of rectangular cross-section subjected to a short-duration load.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1
grade
population of timber with defined design properties in a design standard

2.2
piece of timber
timber of rectangular cross-section manufactured for construction purposes of a specific grade

2.3
test specimen
length of timber, cut from a piece, for purposes of testing to evaluate a timber property

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