

## **Structural timber - Sizes, permitted deviations**

Structural timber - Sizes, permitted deviations

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 336:2003 sisaldab Euroopa standardi EN 336:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 06.06.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 336:2003 consists of the English text of the European standard EN 336:2003.</p> <p>This document is endorsed on 06.06.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p><b>Käsitlusala:</b></p> <p>This standard specifies two classes of permitted deviations from target sizes for structural timber of softwood and hardwood species. It also specifies the moisture content to be used as a reference point for the measurement of sizes, and gives average values for changes in size due to changes in moisture content</p>	<p><b>Scope:</b></p> <p>This standard specifies two classes of permitted deviations from target sizes for structural timber of softwood and hardwood species. It also specifies the moisture content to be used as a reference point for the measurement of sizes, and gives average values for changes in size due to changes in moisture content</p>
--	--

ICS 79.040

**Võtmesõnad:** deviat, dimensional tolerances, dimensions, frame structures, humidity, measurement, moisture, poplar (wood), poplar wood, preferred dimensions, sawn timber, softwoods, solid wood, structural timber, timber construction, tolerances, tolerances (measurement), wood

English version

## Structural timber - Sizes, permitted deviations

Bois de structure - Dimensions, écarts admissibles

Bauholz für tragende Zwecke - Maße, zulässige  
Abweichungen

This European Standard was approved by CEN on 14 February 2003.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword.....	3
Introduction .....	4
1 <b>Scope</b> .....	4
2 <b>Normative references</b> .....	4
3 <b>Terms and definitions</b> .....	4
4 <b>Sizes for structural timber</b> .....	5
4.1 <b>General</b> .....	5
4.2 <b>Changes in size due to changes in moisture content</b> .....	5
4.3 <b>Permitted cross-sectional deviations</b> .....	5
4.4 <b>Permitted length deviations</b> .....	5
5 <b>Moisture content measurement</b> .....	5

## Foreword

This document EN 336:2003 has been prepared by Technical Committee CEN/TC 124 "Timber structures", the secretariat of which is held by DS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003

This document supersedes EN 336:1995.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

## Introduction

Target size is the basis for the standard.

A method of calculating sizes at other moisture levels is provided.

The standard also stipulates a method for the measurement of moisture content.

## 1 Scope

This standard specifies two classes of permitted deviations from target sizes for structural timber of softwood and hardwood species.

It also specifies the moisture content to be used as a reference point for the measurement of sizes, and gives average values for changes in size due to changes in moisture content.

It is applicable to sawn and prepared square-edged timber with parallel edges having sawn thickness or widths in the range 22 mm to 300 mm.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1309-1, *Round and sawn timber - Method of measurement of dimensions - Part 1: Sawn timber*

EN 13183-2, *Moisture content of a piece of sawn timber - Part 2: Estimation by electrical resistance method*

## 3 Terms and definitions

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

### 3.1

#### **target size**

size specified (at the reference moisture content), and to which the deviations, which would ideally be zero, are to be related

### 3.2

#### **deviation**

difference between actual size and the corresponding target size, making allowance for the difference in size due to difference in moisture content (see clause 5)

### 3.3

#### **moisture content**

amount of water present in timber, expressed as a percentage of the oven-dry mass