



SLOVENSKI STANDARD
SIST EN 336:2004

01-januar-2004

BUXca Yý U
SIST EN 336:1996

Konstruksijski les - Mere, dovoljena odstopanja

Structural timber - Sizes, permitted deviations

Bauholz für tragende Zwecke - Maße, zulässige Abweichungen

Bois de structure - Dimensions, écarts admissibles

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Ta slovenski standard je istoveten z: ~~SIST EN 336:2003~~ EN 336:2003

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ICS:

79.040 Les, hlodovina in žagan les Wood, sawlogs and sawn timber

SIST EN 336:2004

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 336

April 2003

ICS 79.040

Supersedes EN 336:1995

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.

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EN 336:2003 (E)

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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of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003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.

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EN 336:2003 (E)**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.

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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

4 Sizes for structural timber

4.1 General

Sizes shall be measured in accordance with EN 1309-1.

For the purposes of this standard the reference moisture content is 20 %.

4.2 Changes in size due to changes in moisture content

Unless there is evidence to the contrary, it shall be assumed that the thickness and width of a piece of timber increase by 0,25 % for every 1,0 % of moisture content higher than 20 % up to 30 %, and decrease by 0,25 % for every 1,0 % of moisture content lower than 20 %. The above values are typical, without regard to species.

4.3 Permitted cross-sectional deviations

In any cross section of each piece of timber, the actual thickness and actual width (corrected for changes due to changes in moisture content) may not deviate from the target size by more than:

Tolerance class 1

a) For thicknesses and widths ≤ 100 mm:

(-1 +3) mm

b) For thicknesses and widths >100 mm:

(-2 +4) mm

Tolerance class 2

a) For thicknesses and widths ≤ 100 mm:

(-1 +1) mm

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b) For thickness and widths > 100 mm:

(-1,5 +1,5) mm

The average actual thickness and the average actual width of square-edged timber shall not be less than the target sizes, making allowance for changes in size due to changes in moisture content.

4.4 Permitted length deviations

Negative deviations are not permitted.

NOTE If overlength is likely to be a problem, a limit should be placed in the contract at the time of purchase.

5 Moisture content measurement

Moisture content shall be measured in accordance with EN 13183–2.