



# SLOVENSKI STANDARD

## SIST EN 1309-2:2006

01-maj-2006

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Round and sawn timber - Method of measurement of dimensions - Part 2: Round timber  
- Requirements for measurement and volume calculation rules

Rund- und Schnittholz - Verfahren zur Messung der Maße - Teil 2: Rundholz ?  
Anforderungen an die Messung (und Regeln zur Volumenberechnung)

Bois ronds et bois sciés - Méthode de mesure des dimensions - Partie 2: Bois ronds -  
Exigences pour la mesure et les règles de calcul du volume

**Ta slovenski standard je istoveten z: EN 1309-2:2006**

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**ICS:**

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

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**en**

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EUROPEAN STANDARD

EN 1309-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2006

ICS 79.040

English Version

## Round and sawn timber - Method of measurement of dimensions - Part 2: Round timber - Requirements for measurement and volume calculation rules

Bois ronds et bois sciés - Méthode de mesure des dimensions - Partie 2: Bois ronds - Exigences pour la mesure et les règles de calcul du volume

Rund- und Schnittholz - Verfahren zur Messung der Maße - Teil 2: Rundholz - Anforderungen an die Messung und Regeln zur Volumenberechnung

This European Standard was approved by CEN on 23 January 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

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**EN 1309-2:2006 (E)****Foreword**

This document (EN 1309-2:2006) has been prepared by Technical Committee CEN/TC 175 "Round and sawn timber", the secretariat of which is held by AFNOR.

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 September 2006, and conflicting national standards shall be withdrawn at the latest by September 2006.

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

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## Introduction

There are many different round timber measurement and volume calculation rules in Europe. These have come into being based on historical influences and traditions. Much sawmilling and forestry data is based on these differing rules. Because of the diversity of existing rules in different countries, and in some cases between different regions in the same country, it is currently impossible to lay down a single set of acceptable rules for all member states.

This standard therefore gives basic principles which are to be followed when drawing up round timber measurement and volume calculation rules. Examples of rules currently in use and which meet these principles are listed in Annex A. Annex B applies where no national, regional or provincial rules exist.

This standard is one of a series, being methods of measurement for round timber and sawn timber. Other standards in this series are:

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

EN 1310, *Round and sawn timber – Method of measurement of features*

EN 1311, *Round and sawn timber – Method of measurement of biological degrade*

EN 1315-1, *Dimensional classification – Part 1: Hardwood round timber*

EN 1315-2, *Dimensional classification – Part 2: Softwood round timber*

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**EN 1309-2:2006 (E)****1 Scope**

This European Standard defines the principles which are to be used in the derivation of round timber measurement and volume calculation rules. This standard applies to rules for measuring hardwood and softwood felled round timber. It does not apply to tropical timber.

**2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 844-1:1995, *Round and sawn timber – Terminology – Part 1: General terms common to round timber and sawn timber*

EN 844-2:1997, *Round and sawn timber – Terminology – Part 2: General terms relating to round timber*

EN 844-5:1997, *Round and sawn timber – Terminology – Part 5: Terms relating to dimensions of round timber*

EN 844-7:1997, *Round and sawn timber – Terminology – Part 7: Terms relating to anatomical structure of timber*

EN 844-8:1997, *Round and sawn timber – Terminology – Part 8: Terms relating to features of round timber*

EN 844-12:2000, *Round and sawn timber – Terminology – Part 12: Additional terms and general index*

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**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in EN 844-1:1995, EN 844-2:1997, EN 844-5:1997, EN 844-7:1997, EN 844-8:1997 and EN 844-12:2000 apply.

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**4 Measurement and volume calculation of round timber****4.1 General**

Round timber measurement and volume calculation rules shall include as a minimum the following requirements when establishing the parameters that are to be used when calculating volume. Where no national, regional or provincial rules exist, the methods specified in Annex B shall apply.

**4.2 Length****4.2.1 Apparatus**

A manual or automatic measuring device shall be specified. The requirements of calibration and accuracy shall be stated.



#### 4.2.2 Methods of measurement

Rules shall clearly define how the length of the following types of timber shall be measured:

- straight round timber;
- round timber with a simple sweep;
- round timber with multiple sweep;
- round timber with undercut or a butt trimming.

#### 4.2.3 Recording results

The unit of metric measurement shall be stated. If a nominal length is required the length shall be rounded down to the nearest nominal length. The rounding conventions shall be specified.

### 4.3 Diameter

#### 4.3.1 Apparatus

A manual or automatic measuring device shall be specified. The requirements of calibration and accuracy shall be stated.

#### 4.3.2 Method of measurement

Rules shall define:

- where the diameter is to be measured;
- procedure when the preferred measuring point is not available;
- number of measurements to be made when using the specified apparatus;
- whether the measurement is to be taken over or under bark and any conversion methods.

#### 4.3.3 Recording of results

The unit of metric measurement shall be stated.

When two or more measurements are taken the procedure for calculating the mean shall be defined.

The rounding convention used when expressing results shall be stated.

### 4.4 Calculation volume

The unit of metric measurement shall be stated.

Rules shall show the formula by which the volume is calculated.

The rounding convention used shall be stated.