

# Round and sawn timber — Method of measurement of dimensions

## Part 1. Sawn timber

The European Standard EN 1309-1 : 1997 has the status of a  
British Standard

ICS 79.040

## National foreword

This British Standard is the English language version of EN 1309-1 : 1997.

The UK participation in its preparation was entrusted by Technical Committee B/543, Round and sawn timber, to Subcommittee B/543/1, Timber terminology and measurement, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

### Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled 'International Standards Correspondence Index', or by using the 'Find' facility of the BSI Standards Electronic Catalogue.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.**

### Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 4, an inside back cover and a back cover.

This British Standard, having been prepared under the direction of the Sector Board for Building and Civil Engineering, was published under the authority of the Standards Board and comes into effect on 15 September 1997

© BSI 1997

### Amendments issued since publication

Amd. No.	Date	Text affected

---

ICS 79.040

Descriptors: Wood, sawn timber, softwood timber, hardwood timber, dimensional measurements

English version

## Round and sawn timber — Method of measurement of dimensions — Part 1: Sawn timber

Bois ronds et bois sciés — Méthode de mesure des dimensions — Partie 1: Bois sciés

Rund- und Schnittholz — Verfahren zur Messung der Maße — Teil 1: Schnittholz

This European Standard was approved by CEN on 1997-03-05. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

**Central Secretariat: rue de Stassart 36, B-1050 Brussels**

## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 175, Round and sawn timber, the secretariat of which is held by AFNOR.

This standard is one of a series, being methods of measurement for round timber and sawn timber.

Other standards in this series are:

- prEN 1309-2 *Round and sawn timber — Method of measurement of dimensions — Part 2: Round timber*
- EN 1310 *Round and sawn timber — Method of measurement of features*
- EN 1311 *Round and sawn timber — Method of measurement of biological degrade*

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 1997, and conflicting national standards shall be withdrawn at the latest by October 1997.

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

## Contents

	Page
Foreword	
<b>1</b> Scope	2
<b>2</b> Normative references	3
<b>3</b> Definitions	3
<b>4</b> Thickness	3
<b>4.1</b> Apparatus	3
<b>4.2</b> Methods of measurement	3
<b>5</b> Width	3
<b>5.1</b> Apparatus	3
<b>5.2</b> Methods of measurement	3
<b>6</b> Length	4
<b>6.1</b> Apparatus	4
<b>6.2</b> Method of measurement	4
<b>7</b> Determination of the volume	4

## 1 Scope

This European Standard specifies the methods of measuring dimensions of sawn timber.

This standard applies to hardwood and softwood sawn timber, both square-edged and unedged. This standard does not apply to tropical timber.

## 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 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.

- EN 844-1 *Round and sawn timber — Terminology — Part 1: General terms common to round timber and sawn timber*
- EN 844-3 *Round and sawn timber — Terminology — Part 3: General terms relating to sawn timber*
- EN 844-4 *Round and sawn timber — Terminology — Part 4: Terms relating to moisture content*
- EN 844-6 *Round and sawn timber — Terminology — Part 6: Terms relating to dimensions of sawn timber*
- EN 844-7 *Round and sawn timber — Terminology — Part 7: Terms relating to anatomical structure of timber*
- EN 844-9 *Round and sawn timber — Terminology — Part 9: Terms relating to features of sawn timber*
- prEN 844-10 *Round and sawn timber — Terminology — Part 10: Terms relating to stain and fungal attack*
- prEN 844-11 *Round and sawn timber — Terminology — Part 11: Terms relating to degrade by insects*

EN 1312 *Round and sawn timber — Determination of the batch volume of sawn timber*

## 3 Definitions

For the purposes of this standard, the definitions in the standards listed in clause 2 apply.

## 4 Thickness

### 4.1 Apparatus

A measuring device, graduated to an accuracy of at least 0,1 mm.

### 4.2 Methods of measurement

#### 4.2.1 Square-edged timber

Measure the thickness in a direction perpendicular to the face in at least three places. The places of measurement shall be clean and free from defects. Two of the measurements shall be taken near to, but at least 150 mm from the ends, the other(s) positioned at random between them. Record only the thinnest measured thickness, expressed in millimetres, to one decimal place. Note also the actual moisture content.

#### 4.2.2 Unedged timber

Measure the thickness once at each end, as close to an edge as possible. The places of measurement shall be clean and free from defects. Record only the thinner measured thickness, expressed in millimetres, to one decimal place. Note also the actual moisture content.

## 5 Width

### 5.1 Apparatus

A measuring device, graduated to an accuracy of at least 1 mm.

### 5.2 Methods of measurement

#### 5.2.1 Square-edged timber

Measure the width in a direction perpendicular to the longitudinal axis of the piece in at least three positions. The places of measurement shall be clean and free from defects. Two of the measurements shall be taken near to, but at least 150 mm from the ends, the other(s) positioned at random between them. Record only the narrowest measured width, expressed in millimetres, to one decimal place. Note also the actual moisture content.

#### 5.2.2 Unedged timber

Measure the width in accordance with the method specified in EN 1312.

## **6 Length**

### **6.1 Apparatus**

*A measuring device, graduated to an accuracy of at least 5 mm.*

### **6.2 Method of measurement**

Measure the length of the largest possible rectangular parallelepiped contained within the piece, expressed in metres to two decimal places, rounded down.

## **7 Determination of the volume**

The method of calculating the volume of single pieces (both square-edged and unedged), boules and batches of sawn timber is given in EN 1312.



---

---

# BSI — British Standards Institution

BSI is the independent national body responsible for preparing British Standards. It presents the UK view on standards in Europe and at the international level. It is incorporated by Royal Charter.

## Revisions

British Standards are updated by amendment or revision. Users of British Standards should make sure that they possess the latest amendments or editions.

It is the constant aim of BSI to improve the quality of our products and services. We would be grateful if anyone finding an inaccuracy or ambiguity while using this British Standard would inform the Secretary of the technical committee responsible, the identity of which can be found on the inside front cover. Tel: 020 8996 9000. Fax: 020 8996 7400.

BSI offers members an individual updating service called PLUS which ensures that subscribers automatically receive the latest editions of standards.

## Buying standards

Orders for all BSI, international and foreign standards publications should be addressed to Customer Services. Tel: 020 8996 9001. Fax: 020 8996 7001.

In response to orders for international standards, it is BSI policy to supply the BSI implementation of those that have been published as British Standards, unless otherwise requested.

## Information on standards

BSI provides a wide range of information on national, European and international standards through its Library and its Technical Help to Exporters Service. Various BSI electronic information services are also available which give details on all its products and services. Contact the Information Centre. Tel: 020 8996 7111. Fax: 020 8996 7048.

Subscribing members of BSI are kept up to date with standards developments and receive substantial discounts on the purchase price of standards. For details of these and other benefits contact Membership Administration. Tel: 020 8996 7002. Fax: 020 8996 7001.

## Copyright

Copyright subsists in all BSI publications. BSI also holds the copyright, in the UK, of the publications of the international standardization bodies. Except as permitted under the Copyright, Designs and Patents Act 1988 no extract may be reproduced, stored in a retrieval system or transmitted in any form or by any means – electronic, photocopying, recording or otherwise – without prior written permission from BSI.

This does not preclude the free use, in the course of implementing the standard, of necessary details such as symbols, and size, type or grade designations. If these details are to be used for any other purpose than implementation then the prior written permission of BSI must be obtained.

If permission is granted, the terms may include royalty payments or a licensing agreement. Details and advice can be obtained from the Copyright Manager. Tel: 020 8996 7070.