



BSI Standards Publication

Round and sawn timber - Methods of measurements

Part 3: Features and biological degradations

National foreword

This British Standard is the UK implementation of EN 1309-3:2018. It supersedes BS EN 1311:1997 and BS EN 1310:1997, which are withdrawn.

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

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Partie 3 : Singularités et altérations biologiques

Rund- und Schnittholz - Meßmethode - Teil
3: Merkmale und von Schädlingsbefall

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European foreword

This document (EN 1309-3:2018) 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of an identical text or by endorsement, at the latest by July 2018, and conflicting national standards shall be withdrawn at the latest by July 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1310:1997 and EN 1311:1997.

This standard is one of a series, and covers 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 1309-2 Round and sawn timber - Method of measurement of dimensions – Part 2: Round timber

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1 Scope

This European Standard specifies the methodology for measurement of features – in relation to wood structure, biological agencies and other damage – taken into account in the visual grading:

- a) for appearance – of sawn, processed and round timber;
- b) for serviceability – of sawn and processed timber (identified in EN 1611-1 as the integrity of the timber).

When the standard is applied the methodology of measurement used shall be stated.

It is not applicable to structural timber for which strength grading in accordance with EN 14081-1 is required.

This standard applies to hardwood and softwood sawn timber, both square edged and un-edged, to processed timber and to round timber.

It does not apply to tropical timber.

2 Normative references

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

EN 844 (all parts), *Round and sawn timber — Terminology*

EN 1611-1, *Sawn timber — Appearance grading of softwoods — Part 1: European spruces, firs, pines and Douglas firs*

EN 14081-1, *Timber structures — Strength graded structural timber with rectangular cross section — Part 1: General requirements*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 844 apply.

4 Symbols

d	size, in millimetres;
a	width on the minor axis, in millimetres;
b	width on the major axis, in millimetres;
n_{max}	maximum permitted number of knots;
d_1, d_2, \dots, d_n	sizes of the individual knots, in millimetres;
d_{max}	maximum permitted size of a knot, in millimetres.

5 Sawn and processed timber

5.1 Knots

5.1.1 General

For the purposes of this standard, knots in sawn timber are classified according to their shape, size and position. Size is derived from the formulae given below and expressed in millimetres or as a percentage