



SLOVENSKI STANDARD
SIST EN 1316-2:2003
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Hardwood round timber - Qualitative classification - Part 2: Poplar

Laub-Rundholz - QualitätsSortierung - Teil 2: Pappel

Bois ronds feuillus - Classement qualitatif - Partie 2: Peuplier

Ta slovenski standard je istoveten z: EN 1316-2:1997

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ICS:

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

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EUROPEAN STANDARD

EN 1316-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1997

ICS 79.040

Descriptors: wood, sawlogs, hardwood timber, poplarwood, grading, quality class

English version

**Hardwood round timber - Qualitative classification
- Part 2: Poplar**Bois ronds feuillus - Classement qualitatif -
Partie 2: PeuplierLaub-Rundholz - Qualitäts-Sortierung - Teil 2:
Pappel**ITeH STANDARD PREVIEW**
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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.

The European Standards exist 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.

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

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

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Foreword

[SIST EN 1316-2:2003](https://standards.iteh.ai/catalog/standards/sist/c1326451-7798-4dbf-8f6-9e03d75142da/sist-en-1316-2-2003)

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 of standards concerning round timber (softwoods and hardwoods).

Other parts of this standard are :

EN 1316-1 : Hardwood round timber - Qualitative classification - Part 1 : Oak and beech

prEN 1316-3 : Hardwood round timber - Qualitative classification - Part 3 : Ash and maples

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 August 1997, and conflicting national standards shall be withdrawn at the latest by August 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



1 Scope

This European Standard specifies a qualitative classification and grade designations for felled round timber of poplar in the form of long poles or logs.

The classifications describe quality classes of round timbers for which the intended use is not known.

This classification is applicable to all merchantable clones of poplar.

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.

- EN 844-1 Round and sawn timber - Terminology - Part 1 : General terms common to round and sawn timber.
- EN 844-2 Round and sawn timber - Terminology - Part 2 : General terms relating to round timber.
- EN 844-5 Round and sawn timber - Terminology - Part 5 : Terms relating to dimensions of round timber.
- EN 844-7 Round and sawn timber - Terminology - Part 7 : Terms relating to anatomical structure of timber.
- EN 844-8 Round and sawn timber - Terminology - Part 8 : Terms relating to features of round timber.
- prEN 1309:1994 Round and sawn timber - Method of measurement of dimensions.¹⁾
- EN 1310 Round and sawn timber - Method of measurement of features.
- EN 1311 Round and sawn timber - Method of measurement of biological degradations.

3 Definitions

For the purposes of this standard, the definitions in the standards EN 844-1, EN 844-2, EN 844-5, EN 844-7 and EN 844-8 apply .

1) EN 1309 has been divided into two parts: Part 1 is already published and is applicable to sawn timber; Part 2, still in preparation, will be applicable to round timber.

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4 Qualitative classification

4.1 Grading principles

Each long pole, log or portion of a round timber individualized by a theoretical crosscut point, is qualified according to its dimensions and to the presence, size, and distribution of specific characteristics.

4.2 Designation of grades

Standardized designation of classes includes 3 characters, the last one separated by a dash :

- the first and second characters are the genus initial and first letter in latin ;
- the third character indicates the quality class.

The classification of poplar is divided in three quality classes :

- Po-A is an exceptional quality class ;
- Po-B is a normal quality class ;
- Po-C is a quality class which includes long poles, logs or portions of long poles not permitted in the other quality classes.

For class Po-C, more than 40 % of the volume of the wood shall be useable.

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4.3 Characteristics to be taken into account for the classification

Table 1 gives the characteristics taken into account in this classification and these shall be measured according to prEN 1309:1994, EN 1310 and EN 1311.

A long pole, log or portion of roundwood shall be downgraded by its failure to meet the requirements of any single characteristic.

Length and diameter shall be measured using the method stated in prEN 1309:1994.

A culling may be specified by contract for the following characteristics:

bark pocket, burl, buckle, felling shake, shear, dote, rot, canker, carbonized wood, scar, foreign bodies, mistletoe, bird peck, dry side.

5 Table of rules for grading

Table 1 : Grading rules for poplar

Characteristics	Class		
	Po-A	Po-B	Po-C
MINIMUM FOR DIMENSIONS			
Length (m) (1)	3	2	2
Top end diameter under bark (cm) (1)	30	25	20
KNOT (mm)			
Sound knot uncovered	(2)	(3)	allowed
Dead knot	not allowed	(3)	allowed
Unsound knot	not allowed	not allowed	allowed
Covered knot			
Diameter < 60	(2)	allowed	allowed
Diameter ≥ 60	not allowed	not allowed	allowed
EXCENTRIC PITH > 10%	not allowed	allowed	allowed
SWEEP (cm/m)	< 2	< 5	allowed
OVALITY (%)	< 10	allowed	allowed
HEART SHAKE	(4)	no through shake	allowed
CUP SHAKE	not allowed	not allowed	allowed
FROST CRACK	not allowed	not allowed	allowed
LIGHTNING SHAKE	not allowed	not allowed	allowed
CHECKS	not allowed	allowed	allowed
BROWN SPOTS	not allowed	not allowed	allowed
GRUB HOLES	not allowed	not allowed	allowed
NOTES :			
(1) : Length and diameter shall be measured using the method stated in prEN 1309:1994.			
(2) : Two alternative exceptions are allowed : either 1 sound knot (uncovered) diameter < 20 mm on the minimum length of the log, or 1 covered knot diameter < 60 mm on the minimum length of the log.			
(3) : Three exceptions are allowed : either 2 sound knots (uncovered) diameter < 40 mm on the minimum length of the log, or 2 dead knots (uncovered) diameter < 20 mm on the minimum length of the log, or 1 sound knot (uncovered) diameter < 40 mm and 1 dead knot < 20 mm on the minimum length of the log.			
(4) : Shake(s) allowed in the central 1/4 of the diameter.			