# Wood poles for overhead lines - Sizes - Methods of measurement and permissible deviations

Wood poles for overhead lines - Sizes - Methods of measurement and permissible deviations

## EESTI STANDARDI EESSÕNA

| | |
|---|---|
| Käesolev Eesti standard EVS-EN 12479:2002 sisaldab Euroopa standardi EN 12479:2001 ingliskeelset teksti.<br><br>Käesolev dokument on jõustatud 19.06.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.<br><br>Standard on kättesaadav Eesti standardiorganisatsioonist. | This Estonian standard EVS-EN 12479:2002 consists of the English text of the European standard EN 12479:2001.<br><br>This document is endorsed on 19.06.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.<br><br>The standard is available from Estonian standardisation organisation. |

## NATIONAL FOREWORD

| | |
|---|---|
| **Käsitlusala:**<br>This standard specifies methods of measuring the sizes of solid wood poles for overhead transmission and telecommunications lines and tolerances that are taken into account for the acceptance of the poles. It is applicable to both hardwood and softwood poles. | **Scope:**<br>This standard specifies methods of measuring the sizes of solid wood poles for overhead transmission and telecommunications lines and tolerances that are taken into account for the acceptance of the poles. It is applicable to both hardwood and softwood poles. |

**ICS** 29.240.20, 79.080

**Võtmesõnad:** communication transmissio, definition, definitions, determinations, deviations, diameter, dimensions, energy transmission, length, limit deviations, masts, measurement, methods for measuring, overhead power lines, size, solid wood, transmission lines, wooden poles

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN 12479

December 2001

ICS 29.240.20; 79.080

English version

# Wood poles for overhead lines - Sizes - Methods of measurement and permissible deviations

Poteaux en bois pour lignes aériennes - Dimensions - Méthodes de mesures et écarts admissibles

Holzmaste für Freileitungen - Maße - Messmethoden und zulässige Abweichungen

This European Standard was approved by CEN on 20 October 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: rue de Stassart, 36 B-1050 Brussels**



Ref. No. EN 12479:2001 E

## Contents

## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 124 "Structural timber", 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 June 2002, and conflicting national standards shall be withdrawn at the latest by June 2002.

This standard includes an informative annex A describing commonly used sizes for wood poles.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## Introduction

This standard is one of five standards covering requirements for visual or machine grading, test methods, determination of characteristic values, methods of specifying durability and sizes.

# 1 Scope

This European Standard specifies methods of measuring the sizes of solid wood poles for overhead transmission and telecommunication lines and limit deviations that are taken into account for the acceptance of the poles. It is applicable to both hardwood and softwood poles.

This standard covers only single poles under cantilever and/or compression loading. For example, this standard does not cover poles used as beams.

The provision of poles for use in any overhead line or cable infrastructure shall take into account a range of factors not covered by this standard which will necessitate the specification by the end user of complementary and synonymous attributes to those defined in this standard. This refers to requirements for a number of factors including safety, overhead plant, handling, fittings, installation machinery and working practices including climbing.

# 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).

ISO 8322-2, *Building construction - Measuring instruments - Procedures for determining accuracy in use - Part 2: Measuring tapes.*

# 3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

**3.1**
**minimum diameter**
minimum diameter of the pole at the section of measurement

**3.2**
**nominal diameter**
a) theoretical diameter for poles with 5 % or less ovality

b) minimum diameter for poles with greater than 5 % ovality

**3.3**
**peak**
shape given to the pole at the tip, in order to limit the risks of water penetration in the fibres

**3.4**
**pole**
long round timber for use in a free standing application

**3.5**
**pole butt**
lowermost point of the thicker end of the pole

**3.6**
**pole tip**
uppermost point of the narrow end of the pole