Timber Structures - Test methods - Withdrawal capacity of timber fasteners



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 1382:2016 sisaldab Euroopa standardi EN 1382:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 1382:2016 consists of the English text of the European standard EN 1382:2016.	
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.	
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EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Timber Structures - Test methods - Withdrawal capacity of timber fasteners

Structures en bois - Méthodes d'essai - Résistance à l'arrachement dans le bois d'éléments de fixation

Holzbauwerke - Prüfverfahren - Ausziehtragfähigkeit von Holzverbindungsmitteln

This European Standard was approved by CEN on 19 December 2015.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 1382:2016) has been prepared by Technical Committee CEN/TC 124 "Timber Structures", 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of an identical text or by endorsement, at the latest by August 2016, and conflicting national standards shall be withdrawn at the latest by August 2016.

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

This document will supersede EN 1382:1999.

Compared to EN 1382:1999, the following changes have been made:

- replacement of EN 28970 by EN ISO 8970;
- improvement to figures and to definitions.

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

1 Scope

This European Standard specifies the test method for determining the withdrawal capacity of fasteners which have been inserted into timber (solid timber, LVL, CLT and glued laminated timber).

The test method applies to all types of nails, screws and staples.

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 14592, Timber structures - Dowel-type fasteners - Requirements

EN 26891:1991, Timber structures - Joints made with mechanical fasteners - General principles for the determination of strength and deformation characteristics (ISO 6891:1983)

EN ISO 8970:2010, Timber structures - Testing of joints made with mechanical fasteners - Requirements for wood density (ISO 8970:2010)

ISO 13061-1, Physical and mechanical properties of wood — Test methods for small clear wood specimens — Part 1: Determination of moisture content for physical and mechanical tests

ISO 13061-2, Physical and mechanical properties of wood — Test methods for small clear wood specimens — Part 2: Determination of density for physical and mechanical tests

3 Terms and definitions

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

3.1

staple

double-bent, u-shaped piece of round, square, rectangular or oval wire with pointed legs

3.2

staple crown

connection between the two staple legs

3.3

staple leg diameter

nominal value of the diameter of a round staple leg, the side length of a rectangular leg, or the diameter of an oval cross section as defined in EN 14592

2

3.4

staple length

length of each staple leg, including point

3.5

staple crown width

width across the staple legs