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BS EN 1383:2016



BSI Standards Publication

Timber structures — Test methods — Pull through resistance of timber fasteners

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This British Standard is the UK implementation of EN 1383:2016. It supersedes BS EN 1383:1999 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/518, Structural timber.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Timber structures - Test methods - Pull through resistance of timber fasteners

Structures en bois - Méthodes d'essais - Résistance à la
traversée de la tête d'éléments de fixation à travers le
bois

Holzbauwerke - Prüfverfahren - Prüfung von
Holzverbindungsmitteln auf Kopfdurchziehen

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

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Symbols and abbreviations	5
5 Materials	7
5.1 Timber and wood-based products	7
5.2 Fasteners	7
6 Test methods	7
6.1 General	7
6.2 Conditioning	7
6.3 Fabrication of test pieces	7
6.4 Apparatus	7
6.5 Test procedure	7
6.6 Test results	10
6.7 Test report	10
Bibliography	11

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European foreword

This document (EN 1383:2016) 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of an identical text or by endorsement, at the latest by August 2016, and conflicting national standards shall be withdrawn at the latest by August 2016.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 supersedes EN 1383:1999.

Compared to EN 1383:1999, the following changes have been made:

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

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1 Scope

This European Standard specifies the test method for determining the resistance of timber to the head pull through of timber fasteners.

In this standard 'timber' includes solid timber, glued laminated timber and wood-based products.

The test method applies to all types of nails, screws and staples excluding screws with fully threaded shank.

2 Normative references

The following documents, in whole or in parts, 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 322, *Wood-based panels - Determination of moisture content*

EN 323, *Wood-based panels - Determination of density*

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 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

3.4

staple length

length of each staple leg, including point