

**Puittarindid. Tüübelkinnitusdetailide
voolavuspiirile vastava paindemomendi
määramine. Naelad**

Timber structures - Determination of the yield
moment of dowel type fasteners - Nails

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 409:1999 sisaldab Euroopa standardi EN 409:1993 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 409:1999 consists of the English text of the European standard EN 409:1993.</p> <p>This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala: See standard esitab meetodi voolavuspiirile vastava paindemomendi määramiseks naeltele, mille suurim läbimõõt on 8 mm. Tulemusi võib kasutada ehitusprojekteerimisel naeltele iseloomuliku voolavuspiirile vastava paindemomendi määramiseks.</p>	<p>Scope:</p>
--	----------------------

ICS 91.080.20

Võtmesõnad: naelad, tüüblid

UDC 694.142.5:621.886.2:620.177

Descriptors: Timber structures, fasteners, dowels, nails, bending tests, determination, moments, maximum value.

English version

Timber structures

Test methods

Determination of the yield moment of dowel-type fasteners

Nails

Structures en bois; méthodes d'essais;
détermination du moment plastique des
éléments de fixation à chevilles; pointes

Holzbauwerke; Prüfverfahren; Bestim-
mung des Fließmoments von stiftförmigen
Verbindungsmiteln; Nägel

This European Standard was approved by CEN on 1993-07-15.

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 Central Secretariat 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 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.

CEN

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

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

Contents list	Page
Foreword	3
1 Scope	3
2 Normative references	3
3 Definitions	3
4 Symbols	4
5 Requirements	4
6 Test method	4
6.1 Principle	4
6.2 Materials	4
6.3 Apparatus	5
6.4 Preparation of specimen	5
6.5 Loading procedure	5
6.6 Results	5
6.7 Test report	6
Annex A (Informative) - Nail bending apparatus	7

Foreword

This European Standard was prepared by CEN/TC 124 "Timber structures". It was approved for the CEN final voting by the TC on 9th December 1991.

This standard is one of a series of standards for test methods for building materials and components. It was prepared by a working group under the convenorship of NSAI.

NOTE: It is considered desirable to maintain the same clause numbers consistently throughout this series of standards. Consequently, some clauses are void in this edition of this standard, but it is envisaged that future editions may need to include a text in these clauses.

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 January 1994, and conflicting national standards shall be withdrawn at the latest by January 1994.

The standard was approved and in accordance with the CEN/CENELEC Internal Regulations, 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, United Kingdom.

No existing European Standard is superseded.

This standard includes an informative Annex describing a suitable test apparatus.

1 Scope

This Standard specifies a method for determining the yield moment of nails having a maximum diameter of 8 mm.

2 Normative references

None.

3 Definitions

For the purpose of this standard, the following definitions apply:

3.1 nail section dimension: 1) Actual diameter of a plain round nail, or 2) Shank diameter of a profiled nail, or 3) Length of one side of the section of a square nail, or 4) Minimum dimension of the section of an oval or rectangular nail.

3.2 yield moment of nails: Bending moment at the maximum load sustained by a nail under test, or the bending moment at which the nail has deformed through an angle of 45, whichever is the lesser.