



NSAI
Standards

Irish Standard
I.S. EN 13271:2002

Timber fasteners - Characteristic load-carrying capacities and slip-moduli for connector joints

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I.S. EN 13271:2002

Incorporating amendments/corrigenda issued since publication:

EN 13271:2001/AC:2003

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
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ICS

English version
Version Française
Deutsche Fassung

Timber fasteners - Characteristic load-carrying capacities and slip-moduli
for connector joints

Éléments de fixation du bois - Valeurs
caractéristiques de capacité résistante et
du module de glissement des assembleurs
mécaniques du bois

Holzverbindungsmittel - Charakteristische
Tragfähigkeiten und Verschiebungsmoduln
für Verbindungen mit Dübeln besonderer
Bauart

This corrigendum becomes effective on 24 September 2003 for incorporation in the official English and French versions of the EN.

Ce corrigendum prendra effet le 24 septembre 2003 pour incorporation dans les versions officielles anglaise et française de la EN.

Die Berichtigung tritt am 24. September 2003 zur Einarbeitung in die offizielle Englische und Französische Fassung der EN in Kraft.



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

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

EN 13271:2001/AC:2003 (E/F)

English version

Clause 4, Symbols and abbreviations :

k_s should read k_{ser} characteristic slip modulus (mean value), in Newtons per millimeter

Sub-clause 5.4, Characteristic slip moduli :

k_s should read k_{ser}

Sub-clause 6.2, Characteristic load-carrying capacities, in formula (7) :

$R_{c,k} = 25d_c^{1.5}$ should read $R_{c,k} = 25d_c^{1.5}$

Sub-clause 6.4, Characteristic slip moduli :

k_s should read k_{ser}

Version française

Article 4, Symboles et abréviations :

k_s devrait lire k_{ser} module caractéristique de glissement (valeur moyenne), en Newtons par millimètre

Paragraphe 5.4, Modules caractéristiques de glissement :

k_s devrait lire k_{ser}

Paragraphe 6.4, Modules caractéristiques de glissement :

k_s devrait lire k_{ser}

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 13271

November 2001

ICS 21.060.99; 91.080.20

English version

Timber fasteners - Characteristic load-carrying capacities and slip-moduli for connector joints

Eléments de fixation du bois - Valeurs caractéristiques de capacité résistance et du module de glissement des assembleurs mécaniques du bois

Holzverbindungsmitel - Charakteristische Tragfähigkeiten und Verschiebungsmoduln für Verbindungen mit Dübeln besonderer Bauart

This European Standard was approved by CEN on 4 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

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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 May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

This standard is one of a series of standards for building materials. It was prepared by a working group under the convenorship of DIN, Germany.

It is recognized that the characteristic load-carrying capacities of connector units defined in this standard will be interpreted with respect to design, structural detailing, and control, by reference to ENV 1995-1-1.

The annexes A and B are normative.

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.

1 Scope

This European Standard specifies relationships for the determination of load-carrying capacities of connector joints in timber structures and appertaining reference conditions.

It also gives recommendations for characteristic values for slip moduli for joints in solid timber (in accordance with EN 338) or glued laminated timber (in accordance with EN 1194).

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).

EN 338, *Structural timber – Strength classes.*

EN 912, *Timber fasteners – Specifications for connectors for timber.*

EN 1194, *Timber structures – Glued laminated timber – Strength classes and determination of characteristic values.*

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

ENV 1995-1-1, *Eurocode 5: Design of timber structures - Part 1-1: General rules and rules for buildings.*

3 Terms and definitions

For the purposes of this European Standard the following term and definition apply.

3.1

connector unit

- one ring connector with its bolt in single shear in a timber-to-timber joint, or
- two plate connectors used back-to-back with the bolt in single shear in a timber-to-timber joint, or
- one double-sided toothed-plate connector or two single-sided toothed-plate connectors used back-to-back with the bolt in single shear in a timber-to-timber joint

4 Symbols and abbreviations

$R_{b,0,k}$	characteristic load-carrying capacity of the bolt for $\alpha = 0^\circ$, in newtons
$R_{b,\alpha,k}$	characteristic load-carrying capacity of the bolt for $\alpha \neq 0^\circ$, in newtons
$R_{c,k}$	characteristic load-carrying capacity of one toothed-plate connector, in newtons
$R_{c,0,k}$	characteristic load-carrying capacity of a ring or shear plate connector joint per connector unit for $\alpha = 0^\circ$, in newtons
$R_{j,0,k}$	characteristic load-carrying capacity of a toothed-plate connector joint per connector unit for $\alpha = 0^\circ$, in newtons

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