



SLOVENSKI STANDARD
SIST EN 14592:2008/kFprA1:2012

01-februar-2012

Lesene konstrukcije - Paličasta vezna sredstva - Zahteve

Timber structures - Dowel-type fasteners - Requirements

Holzbauwerke - Stiff förmige Verbindungsmittel - Anforderungen

Structures en bois - Eléments de fixation - Exigences

Ta slovenski standard je istoveten z: EN 14592:2008/FprA1

ICS:

21.060.01	Vezni elementi na splošno	Fasteners in general
91.080.20	Lesene konstrukcije	Timber structures

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FINAL DRAFT
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English Version

Timber structures - Dowel-type fasteners - Requirements

Structures en bois - Eléments de fixation - Exigences

Holzbauwerke - Stifförmige Verbindungsmittel -
Anforderungen

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 124.

This draft amendment A1, if approved, will modify the European Standard EN 14592:2008. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 14592:2008/FprA1:2011) has been prepared by Technical Committee CEN/TC 124 "Timber structures", the secretariat of which is held by AFNOR.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

EN 14592:2008/FprA1:2011 (E)

Introduction

This amendment allows further types of stainless steel and carbon steel to be used for fasteners and permits for some types of coating of the fasteners. This ensures that products marketed before the first version of this standard was issued can fulfill the requirements. Furthermore, lacks of consistence with EN 1995-1-1 have been corrected.

1 Modification to the Scope

Replace:

"This European Standard does not cover resin coated dowel-type fasteners and fasteners treated with fire retardants to improve their fire performance. It also does not cover resin coated fasteners."

with:

"This European Standard does not cover fasteners treated with fire retardants to improve their fire performance.

This European Standard covers fasteners that may be coated for the following purposes:

- 1 Corrosion protection (e.g. hot dip galvanization, epoxy coating);
- 2 Lubricants (to facilitate insertion);
- 3 Withdrawal enhancement and/or collation (adhesive coating)."

2 Modifications do Clause 2, Normative references

Replace:

"EN 10088-1, *Stainless steels - Part 1: List of stainless steels*

EN 10088-2, *Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes*"

with:

"EN 10088 (all parts), *Stainless steels*".

Replace:

"EN 10230-1, *Steel wire nails - Part 1: Loose nails for general applications*".

with:

"EN 10263 (all parts), *Steel rod, bars and wire for cold heading and cold extrusion*

EN 10269, *Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties*".

Add:

"EN 10277-2, *Bright steel products - Technical delivery conditions - Part 2: Steels for general engineering purposes*",

"EN 15737, *Timber structures - Test methods - Torsional resistance of driving in screws*" and

"EN ISO 6892-1, *Metallic materials - Tensile testing - Part 1: Method of test at room temperature (ISO 6892-1:2009)*".

Delete the references to EN 10278 and ISO 286-2.

EN 14592:2008/FprA1:2011 (E)

3 Modifications to Clause 3, Terms and definitions

In 3.2, *threaded nail*, add to the text line:

" l_g as defined in Figure 1 b".

Replace Figure 1 with the following: "

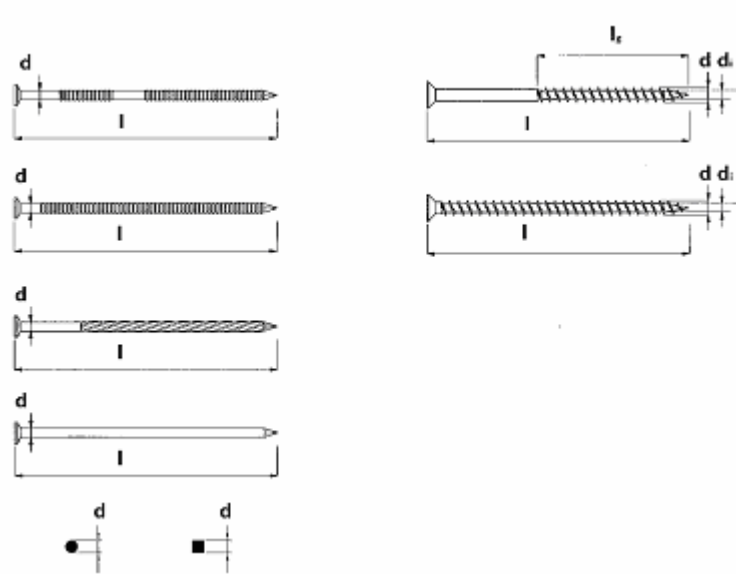


Figure 1 a – Nominal diameter d and length l of nails

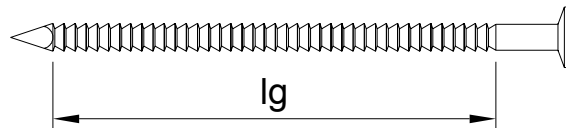


Figure 1 b – Length of the threaded part l_g of nails and screws

Figure 1 – Nominal diameter, length and length of the threaded part of nails and screws".

Replace 3.10 *effective screw diameter* and all text inclusive the NOTE with: "

3.10 thread root diameter

inner diameter of the threaded part, see Figures 1 and 3

NOTE The inner diameter is used in EN 1995-1-1 to determine the effective diameter."

Add: "

3.12 coating type

defines the purpose of a coating

Coating type 1: Corrosion protection

Coating type 2: Lubricant to facilitate insertion

Coating type 3: Adhesive coating for improving withdrawal strength and/or for collation purposes".

4 Modification to 5.3, Nominal diameter

Second indent, replace "maximum" with "minimum".

5 Modifications to 6.1, Nails

Replace the content of 6.1.1 with "Void".

In 6.1.2, Materials, replace:

"EN 10083-1 or EN 10088-2".

with:

"EN 10088. The relevant specification shall be declared.

Other steel grades may be used, provided it has been documented that the steel has at least equivalent mechanical properties to any of the grades listed in the above standards. All relevant information of the alternative steel grades shall be obtained from testing and declared as a part of the ITT."

In 6.1.3, Geometry, third paragraph, replace:

"1,5 d"

with:

"2,5 d".

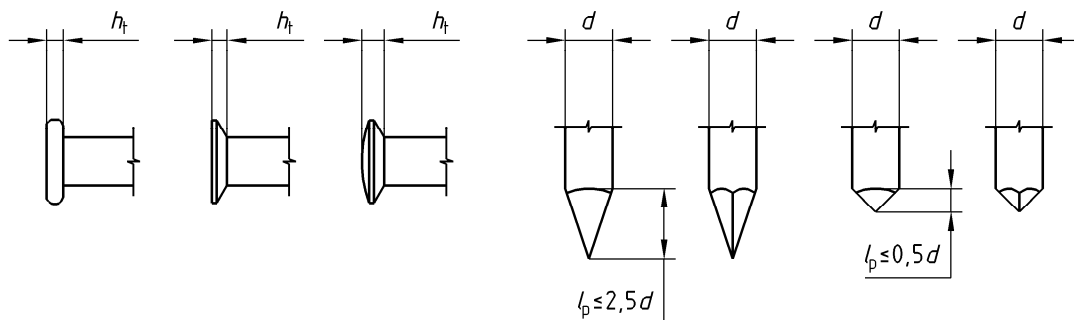
In 6.1.3, Geometry, fifth paragraph, replace:

"Dimensional tolerances for nails shall comply with the requirements of EN 10230-1"

with:

"If nails are coated with a type 3 coating, the coated length shall be at least 0,5 l."

Replace the figure of Figure 2 with the following: "



".