Timber fasteners - Specifications for connectors for timber

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 912:2003 sisaldab Euroopa standardi EN 912:1999 + AC:2000 ingliskeelset teksti.	This Estonian standard EVS-EN 912:2003 consists of the English text of the European standard EN 912:1999 + AC:2000.
Käesolev dokument on jõustatud 14.08.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 14.08.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard defines the dimensions and the materials of certain well-established connectors for use in joints between members in loadbearing timber struktures	**Scope:** This standard defines the dimensions and the materials of certain well-established connectors for use in joints between members in loadbearing timber struktures

ICS 21.060.99, 91.080.20

Võtmesõnad: definition, definitions, dimensions, dowelled joints, dowels, fasteners, joints, marking, materials, specification, symbols, timber joints, types, wood, woodbased sheet materials, wooden boards, wooden construction, wooden dowel

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 912
September 1999
+ AC
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ICS 21.060.99; 91.080.20

English version

Timber fasteners

Specifications for connectors for timber

(includes Corrigendum AC : 2000)

Organes d'assemblage pour le bois – Spécifications des connecteurs pour bois (corrigendum AC : 2000 inclus)

Holzverbindungsmittel – Spezifikationen für Dübel besonderer Bauart für Holz (enthält Berichtigung AC : 2000)

This European Standard was approved by CEN on 1999-08-21 and Corrigendum AC on 2000-10-11.

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.

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CEN

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

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

Ref. No. EN 912 : 1999 + AC : 2000 E

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 124 "Timber structures", 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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

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.

This standard is one of a series of standards for building materials. It was prepared by a working group under the convenorship of Deutsches Institut für Normung e. V. (DIN).

This standard includes four normative Annexes concerning the specifications for different types of connectors: ring, plate, toothed-plate and other connectors. The standard contains only well-established connectors which are currently covered by existing National Standards.

1 Scope

This standard defines the dimensions and the materials of certain well-established connectors for use in joints between members in loadbearing timber structures.

For data on strength and deformation properties of joints made with the connectors reference is given to prEN 13271:1998.

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.

EN 1561	Founding – Grey cast irons
EN 1562	Founding – Malleable cast irons
EN 1706	Aluminium and aluminium alloys – Castings – Chemical composition and mechanical properties
EN 10025+A1	Hot rolled products of non-alloy structural steels – Technical delivery conditions (Includes amendment A1:1993)
EN 10131	Cold rolled uncoated low carbon and high yield strength steel flat products for cold forming – Tolerances on dimensions and shape
EN 10139	Cold rolled uncoated mild steel narrow strip for cold forming – Technical delivery conditions
EN 10142 +A1	Continuously hot-dip zinc coated low carbon steel strip and sheet for cold forming – Technical delivery conditions (Includes amendment A1:1995)
EN 10147 +A1	Continuously hot-dip zinc coated structural steel strip and sheet – Technical delivery conditions (Includes amendment A1:1995)
EN 10268	Cold rolled flat products made of high yield strength micro-alloyed steels for cold forming – General delivery conditions
prEN 13271:1998	Timber fasteners - Characteristic load-carrying capacities and slip moduli for connector joints

3 Definitions

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

3.1 Connector: Device generally consisting of a plate, toothed-plate or ring which, when partly embedded in each or in one of the contact faces of two members and held together by a connecting bolt, is capable of transmitting a load from one member to another.

3.2 Double-sided connector: Connector symmetrical in cross-section and embedded into each contact face of two adjacent timber members.

3.3 Single-sided connector: Connector embedded into a timber contact face only on one side.

3.4 Ring connector: Double-sided connector formed as a closed ring or a ring cut at one place on its circumference.

3.5 Plate connector: Single-sided connector made of a circular plate with a flange along the circumference of one side of the plate.

3.6 Toothed-plate connector: Connector made of a plate with triangular teeth along the edges of the plate or with spikes on the plate; a toothed-plate connector may be double-sided or single-sided.