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Irish Standard  
I.S. EN 14545:2008

# Timber structures - Connectors - Requirements

## I.S. EN 14545:2008

*Incorporating amendments/corrigenda issued since publication:*

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<b>NSAI</b> 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	<b>Sales:</b> T +353 1 857 6730 F +353 1 857 6729 W standards.ie	<b>Price Code:</b> L
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English Version

## Timber structures - Connectors - Requirements

Structures en bois - Connecteurs - Exigences

Holzbauwerke - Nicht stiftförmige Verbindungselemente -  
Anforderungen

This European Standard was approved by CEN on 9 August 2008.

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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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

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## **Foreword**

This document (EN 14545:2008) has been prepared by Technical Committee CEN/TC 124 "Timber Structures", the secretariat of which is held by SFS.

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of an identical text or by endorsement, at the latest by April 2009, and conflicting national standards shall be withdrawn at the latest by April 2009.

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

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

This standard also includes two normative annexes covering corrosion protection specifications for connectors covered by this standard, and procedures for the derivation of characteristic strength properties of punched metal plate fasteners.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## **1 Scope**

This European Standard specifies requirements and test methods for materials, geometry, strength, stiffness and durability aspects (i.e. corrosion protection) of connectors for use in load bearing timber structures.

Only connectors manufactured from steel are covered by this European Standard, like shear plates, split ring connectors, tooth plate connectors, punched metal plate fasteners and nailing plates. Definitions of these items are given in Clause 3.

This European Standard specifies also the evaluation of conformity procedures and includes requirements for marking of these products.

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

## **2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 912:1999, *Timber fasteners - Specifications for connectors for timber*

EN 1075:1999, *Timber structures - Test methods - Joints made with punched metal plate fasteners*

EN 1995-1-1:2004, *Eurocode 5: Design of timber structures - Part 1-1: General - Common rules and rules for buildings*

EN 10025-2, *Hot rolled products of structural steels - Part 2: Technical delivery conditions for non-alloy structural steels*

EN 10029, *Hot rolled steel plates 3 mm thick or above - Tolerances on dimensions, shape and mass*

EN 10051, *Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels - Tolerances on dimensions and shape*

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*

EN 10143, *Continuously hot-dip coated steel sheet and strip - Tolerances on dimensions and shape*

EN 10204, *Metallic products - Types of inspection documents*

EN 10292, *Continuously hot-dip coated strip and sheet of steels with high yield strength for cold forming - Technical delivery conditions*

EN 10326, *Continuously hot-dip coated strip and sheet of structural steels - Technical delivery conditions*

EN 10327, *Continuously hot-dip coated strip and sheet of low carbon steels for cold forming - Technical delivery conditions*

EN 13271:2001, *Timber fasteners - Characteristic load-carrying capacities and slip-moduli for connector joints*

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