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Australian STANDARD®

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Timber — Methods of test for mechanical fasteners and connectors — Basic working loads and characteristic strengths



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Australian Building Codes Board
Australian Engineered Fasteners and Anchors Council
Australian Forest Products Association
Australian Institute of Building Surveyors
Australian Timber Flooring Association
Engineered Wood Products Association of Australasia
Engineers Australia
Forest Industries Federation (WA)
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Timber — Methods of test for mechanical fasteners and connectors — Basic working loads and characteristic strengths

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How to read this Standard

This page explains the meaning of the language and structure of this Standard.

Refer to Standards Australia's Standardisation Guide 006 for more details about drafting rules.

Australian and Australian/New Zealand Standards are voluntary unless they are referenced in legislation or called up in contracts.

Requirements

To conform to a Standard, all requirements in the Standard need to be met.

A requirement is any statement in the Standard which uses the word "shall".

Recommendations, permissions and possibilities

The following words are commonly used in Standards, but statements using them do not have to be followed to conform to the Standard:

(a) "should" means that something is recommended.

(b) "may" means that something is permitted.

(c) "can" means that something is possible.

Structure of Standards

A Standard always has the following parts:

(i) The Preface states who developed the Standard, what the Standard is aiming to do, and how it relates to other documents.

(ii) The Scope states what the Standard is about, what it covers and what it does not cover.

(iii) The Normative references clause lists other documents that are referenced in the Standard as part of requirements.

(iv) The Terms and definitions clause defines important terms to help with understanding the Standard.

A Standard may also include other parts, such as the following:

(1) A normative appendix sets additional requirements that need to be conformed to.

(2) An informative appendix provides additional information or guidance. They usually do not contain requirements. If an informative appendix does contain requirements, the Standard will explain when those requirements apply.

(3) A Bibliography lists documents referenced in the Standard but not as part of requirements.

Many Standards include notes. Notes provide recommendations and/or guidance only. They never contain requirements.

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-010, Timber Structures and Framing, to supersede AS 1649:2001, *Timber—Methods of test for mechanical fasteners and connectors—Basic working loads and characteristic strengths.*

This document includes contributions from New Zealand members of the joint committee and working group members consisting of experts from both Australia and New Zealand.

The objectives of this document are to define categories of mechanical fasteners for timber, specify methods of testing joints incorporating mechanical fasteners, and set out procedures for determining basic design information applicable to timber joints in which the fasteners are incorporated.

An editorial revision of the previous edition has been carried out to ensure continued accuracy and technical relevancy. The major changes in this edition are as follows:

(a) Normative notes have been included in the body of the document.

(b) The figure denoting Category A fastener assembly for lateral testing diagram has been amended to accurately reflect the length of fasteners.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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