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PIAWAI BRUNEI DARUSSALAM
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Timber Structures – Joints Made with Mechanical Fasteners – General Principles for the Determination of Strength and Deformation Characteristics

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Timber Structures – Joints Made with Mechanical Fasteners – General Principles for the Determination of Strength and Deformation Characteristics

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PBD ISO 6891
First Edition

National Foreword

This Brunei Darussalam Standard reproduces verbatim ISO 6891: 1983 and implements it as the Brunei Darussalam National Standard.

This Brunei Darussalam Standard is published under the direction of the Technical Committee on Timber Standards.

Attention is drawn to the fact that this Brunei Darussalam Standard does not confer any immunity from legal obligations in any contract for compliance to the Standard.

The Brunei Darussalam Standards are subject to periodical review according to the current needs of the local industries to keep abreast of progress in the industries concerned. Suggestions of amendments will be recorded and in due course brought to the notice of the committees concerned.

Amendments issued since publication :

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International Standard 6891

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION•МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ•ORGANISATION INTERNATIONALE DE NORMALISATION

Timber structures — Joints made with mechanical fasteners — General principles for the determination of strength and deformation characteristics

Structures en bois — Assemblages réalisés avec des éléments mécaniques de fixation — Principes généraux pour la détermination des caractéristiques de résistance et de déformation

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6891 was developed by Technical Committee ISO/TC 165, *Timber structures*, and was circulated to the member bodies in January 1982.

It has been approved by the member bodies of the following countries :

Australia	Egypt, Arab Rep. of	Norway
Austria	France	Portugal
Belgium	Germany, F. R.	Romania
China	India	South Africa, Rep. of
Czechoslovakia	Ireland	Sweden
Denmark	New Zealand	United Kingdom

The member body of the following country expressed disapproval of the document on technical grounds :

Canada

Printed in Switzerland

Timber structures — Joints made with mechanical fasteners — General principles for the determination of strength and deformation characteristics

0 Introduction

Developments in the field of load-bearing timber structures require that joints made with mechanical fasteners be tested to obtain information about their strength and deformation (slip) characteristics.

This International Standard lays down general principles which should be followed in order to achieve comparability of results from investigations carried out in different laboratories. Standard rules for the determination of characteristic strengths for particular types of mechanical fasteners will be given in separate International Standards.

This International Standard is based on Joint Recommendations from Working commission W18, Timber Structures, of CIB[1] and Committee 3TT, Timber Testing, of RILEM[2], who will also prepare the basis for the above-mentioned supplementary International Standards.

1 Scope

This International Standard lays down general principles for the determination of the strength and deformation (slip) characteristics of joints made with mechanical fasteners.

2 Field of application

This International Standard is applicable to joints made with mechanical fasteners used in statically loaded timber structures.

Detailed procedures appropriate to joints made with specific fasteners will be given in separate International Standards.

The principles can also be used for the testing of other joints.

It is recognized that for some special types of joints not covered by International Standards, modification of the test procedure may be necessary.

3 Reference

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications.*

1) International Council for Building Research, Studies and Documentation.

2) International Union of Testing and Research Laboratories for Materials and Structures.