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**Timber structures — Bending  
applications of I-beams —**

**Part 2:  
Component performance and  
manufacturing requirements**

*Structures en bois — Résistance à la flexion des poutres en I —*

*Partie 2: Performances des composants et exigences de production*

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# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Component requirements</b> .....	<b>2</b>
4.1 Flange stock.....	2
4.2 Web material.....	2
4.3 Adhesives.....	2
<b>5 Manufacturing requirements</b> .....	<b>2</b>
5.1 General.....	2
5.2 Dimensional tolerances.....	2
<b>6 In-house quality assurance</b> .....	<b>3</b>
6.1 Manufacturing standard.....	3
6.1.1 General.....	3
6.1.2 Inspection personnel.....	3
6.1.3 Record keeping.....	3
6.1.4 Testing equipment.....	3
6.2 I-beam quality control testing.....	4
6.2.1 Objectives.....	4
6.2.2 Initial quality control.....	4
6.2.3 Required tests.....	4
6.2.4 Data collection and analysis.....	4
<b>7 Qualification and quality assurance of I-beam components manufactured by others</b> .....	<b>5</b>
7.1 Producer's responsibility.....	5
7.2 Record keeping.....	5
7.3 Identification.....	5
<b>8 Periodic re-evaluation of structural capacities</b> .....	<b>5</b>
8.1 Re-evaluation required.....	5
8.1.1 General.....	5
8.1.2 Reaction capacity re-evaluation.....	5
8.1.3 Regraded sawn timber flanges.....	5
8.2 Minimum database in periodic evaluation.....	5
8.2.1 Shear and flange material tests.....	5
8.2.2 Empirical moment capacity tests.....	6
8.3 Data analysis.....	6
8.3.1 Data requirements.....	6
8.3.2 Flange strength distributions.....	6
<b>9 Identification</b> .....	<b>6</b>
<b>Bibliography</b> .....	<b>7</b>

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 165, *Timber structures*.

This second edition cancels and replaces the first edition (ISO 22389-2:2012), which has been technically revised. The main changes compared to the previous edition are as follows:

— The update of dimensional tolerances in [5.2](#).

A list of all parts in the ISO 22389 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

Prefabricated wood-based I-beams are being produced in many different countries under different national standards and these products are being exported from one country to another. While the national standards have many similarities there are also many areas of dissimilarity. Thus, there is a need for the development of an International Standard to establish consistency among these national standards to ensure the suitability of prefabricated wood-based I-beams for end use applications, regardless of the country of manufacture or of end use. This document will be of benefit to industry, consumers, governments and distributors.

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