
Wood — Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens

Bois — Méthodes d'échantillonnage et conditions générales pour les essais physiques et mécaniques de petites éprouvettes de bois net



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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3129 was prepared by Technical Committee ISO/TC 218, *Timber*.

This second edition cancels and replaces the first edition (ISO 3129:1975), which has been technically revised.

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1 Scope

This International Standard specifies methods for the extensive and limited sampling of wood, conditioning and preparation of test pieces. It also specifies the general requirements for physical and mechanical testing of small clear wood specimens. The sampling guidance provided in this International Standard can be applied for timber taken from either trees, logs, or pieces of ungraded/graded/presorted sawn timber for non-structural applications, such as furniture, windows, doors, etc., only.

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.

ISO 3130, *Wood — Determination of moisture content for physical and mechanical tests*

ISO 3131, *Wood — Determination of density for physical and mechanical tests*

ISO 3132, *Wood — Testing in compression perpendicular to grain*

ISO 3133, *Wood — Determination of ultimate strength in static bending*

ISO 3345, *Wood — Determination of ultimate tensile stress parallel to grain*

ISO 3346, *Wood — Determination of ultimate tensile stress perpendicular to grain*

ISO 3348, *Wood — Determination of impact bending strength*

ISO 3349, *Wood — Determination of modulus of elasticity in static bending*

ISO 3350, *Wood — Determination of static hardness*

ISO 3351, *Wood — Determination of resistance to impact indentation*

ISO 4469, *Wood — Determination of radial and tangential shrinkage*

ISO 4858, *Wood — Determination of volumetric shrinkage*

ISO 4859, *Wood — Determination of radial and tangential swelling*

ISO 4860, *Wood — Determination of volumetric swelling*

ISO 8905, *Sawn timber — Test methods — Determination of ultimate strength in shearing parallel to grain*

ISO 24294, *Round and sawn timber — Vocabulary*

EN 1534, *Wood flooring — Determination of resistance to indentation — Test method*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 24294 apply.