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INTERNATIONAL
STANDARD

ISO
10045

Second edition
2017-11

**Alpine skis — Binding mounting area
— Requirements for test screws**

*Skis alpins — Zone de montage de la fixation — Spécifications des
vis d'essai*

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ISO 10045:2017(E)

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: www.iso.org/iso/foreword.html. (standards.iteh.ai)

This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*, Subcommittee SC 4, *Snowsports equipment*.

This second edition cancels and replaces the first edition (ISO 10045:1991), which has been technically revised.

Introduction

The use of test screws ensures the comparability of measurement data, which are determined by the manufacturer or other institutions by testing the binding mounting area of alpine skis.

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Alpine skis — Binding mounting area — Requirements for test screws

1 Scope

This document specifies the dimensions, mechanical properties and fastening characteristics of test screws used for testing the binding mounting area of alpine skis.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1478, *Tapping screws thread*

ISO 4042, *Fasteners — Electroplated coatings*

ISO 4757, *Cross recesses for screws*

ISO 6004, *Alpine skis — Ski binding screws — Requirements*

ISO 6005, *Alpine skis — Ski binding screws — Test methods*

EN 10084, *Case hardening steels — Technical delivery conditions*

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3 Terms and definitions

For the purposes of this document, the definitions given in ISO 6004 and the following definition apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

test screw

fastener, which is used for testing the binding mounting area and for ensuring the comparability of measurement data

4 Designation

Designation of a test screw according to this document with a nominal diameter of 5,4 mm and a length of 12 mm:

- test screw ISO 10045 — TBS 5,4 × 12.

5 Requirements

5.1 General

The strength requirements and typical application characteristics shall be tested according to ISO 6005.