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**Ski-poles for alpine skiing —  
Requirements and test methods**

*Bâtons de skis alpins — Exigences et méthodes d'essai*



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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 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.

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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 7331 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 4, *Snowsports equipment*.

This fourth edition cancels and replaces the third edition (ISO 7331:2005), which has been technically revised.

# Ski-poles for alpine skiing — Requirements and test methods

## 1 Scope

This International Standard defines the minimum requirements for safety in ski-poles for alpine skiing and specifies test methods to check conformity with these requirements.

It is applicable to ski-poles for alpine skiing in the following ranges of total length,  $l_T$  (see Clause 3):

- group A,  $l_T \geq 1\,050$  mm (adults' poles);
- group B,  $1\,050$  mm  $> l_T \geq 700$  mm (junior poles);
- group C,  $l_T \leq 700$  mm (children's poles).

Special designs may deviate from this International Standard, but shall be marked in a durable manner as special designs (see 9.2).

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

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method (scales A, B, C, D, E, F, G, H, K, N, T)*

ISO 6508-2, *Metallic materials — Rockwell hardness test — Part 2: Verification and calibration of testing machines (scales A, B, C, D, E, F, G, H, K, N, T)*

ISO 6508-3, *Metallic materials — Rockwell hardness test — Part 3: Calibration of reference blocks (scales A, B, C, D, E, F, G, H, K, N, T)*

## 3 Terms and symbols

### 3.1 Terms

Terms used to designate the different parts of a ski-pole are given in Figure 1.