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Alpske smuči - Smernice za opravljanje preskusov voznih lastnosti na snegu

Alpine skis -- Guidelines for conducting slope performance tests

Skis alpins -- Principes directeurs pour la réalisation d'essais de performance sur piste

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Alpine skis — Guidelines for conducting slope performance tests

Skis alpins — Principes directeurs pour la réalisation d'essais de performance sur piste

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is 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 8783:1999), which has been technically revised.

Alpine skis — Guidelines for conducting slope performance tests

1 Scope

This International Standard provides guidelines for carrying out comparative testing of alpine skis with the objective of evaluating the performance characteristics.

It is applicable to alpine skis in accordance with ISO 6289.

2 Normative reference

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6289, *Skis — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6289 and the following apply.

3.1
turnability
ski characteristic relating to ease of turning

Note 1 to entry: The less force and movement required, the greater the turnability.

3.2
edge grip
ski characteristic pertaining to the ability of the ski to hold on hard surfaces

3.3
steering behaviour
ski characteristic pertaining to the execution and completion of a turn to change direction

3.4
stability
ski characteristic pertaining to maintaining direction at a given speed when turning

3.5
quietness
ski characteristic pertaining to dampening behaviour, anti-shock, ability to absorb shock

3.6
skier friendly
ski character
ski characteristic pertaining to the ease of use or exaggerated control actions of the skier

3.7
total score
sum of all ratings

4 Principle

Evaluation of ski performance through

— subjective and comparative rating by competent test personnel based on the test criteria provided, and

— statistical support by using sufficient individual results with regard to test personnel, terrain conditions and test skis.

5 Test conditions

The test run shall provide terrain on which all skiing manoeuvres can be carried out. The site shall permit every tester to conduct the same manoeuvres at the same place on the slope.

The test shall be carried out in hard and well-prepared snow conditions.

Each tester shall test every ski of a predetermined group of skis. Skis belonging to the same category of test skis shall be tested within one day, provided that snow conditions do not change considerably during the course of the day. If snow conditions do change considerably within the course of the day, the test shall be interrupted and be continued, provided snow conditions are comparable, on the next day.

6 Test personnel

6.1 Requirements

The test personnel shall be independent, neutral, and discreet, as responsible experts.

6.2 Skiing ability

The skiing ability of personnel shall be such that a representative evaluation of the skis in accordance with the test run is ensured. The physical condition of personnel shall be adequate for the tasks of the test. The physical condition and the skiing ability should not change significantly during the course of the test. The tester shall be capable and shall be trained to use ski techniques according to the test criteria and also to perform skiing motions treated as single movements.

6.3 Assessment ability

The tester shall be completely informed about all evaluation criteria and about the system rating scale.

7 Test committee

Tests shall be supervised by a test committee consisting of at least three technical experts and the test supervisor.

The test committee shall determine, by majority vote, when the conditions are adequate for testing.

8 Test skis

The test skis shall be typical of the model to be tested and shall be tested as delivered by the manufacturer. The test skis shall be inspected and if, in the course of the test, retuning is deemed to be necessary, this shall be done in accordance with manufacturer's instructions.

The running surfaces shall be cleaned and uniformly waxed in accordance with the snow conditions at the time of the test.