



**SLOVENSKI STANDARD**  
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**Alpske smuči - Določevanje deformacijske in zlomne sile**

Alpine skis - Determination of deformation load and breaking load

Skis alpins -- Détermination de la charge de déformation et de la charge de rupture

**Ta slovenski standard je istoveten z: ISO 6265:2013**

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**Alpine skis — Determination of  
deformation load and breaking load**

*Skis alpins — Détermination de la charge de déformation et de la  
charge de rupture*



Reference number  
ISO 6265:2013(E)

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**ISO 6265:2013(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.

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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 6265 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 4, *Snowsports equipment*.

This third edition cancels and replaces the second edition (ISO 6265:1992), which has been technically revised.

# Alpine skis — Determination of deformation load and breaking load

## 1 Scope

This International Standard specifies a method for determining the resistance of alpine skis to permanent deformation and breaking. In this International Standard no attempt is made to relate the measurement data to the quality of the ski.

It is applicable to all alpine skis for adults, juveniles and children.

## 2 Normative references

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 8364, *Alpine skis and bindings — Binding mounting area — Requirements and test methods*

ISO 868, *Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

### 3.1

#### **deformation load**

$F_D$

load which, when applied at the load application point, causes a permanent deformation of 1 mm of the ski between the supports

### 3.2

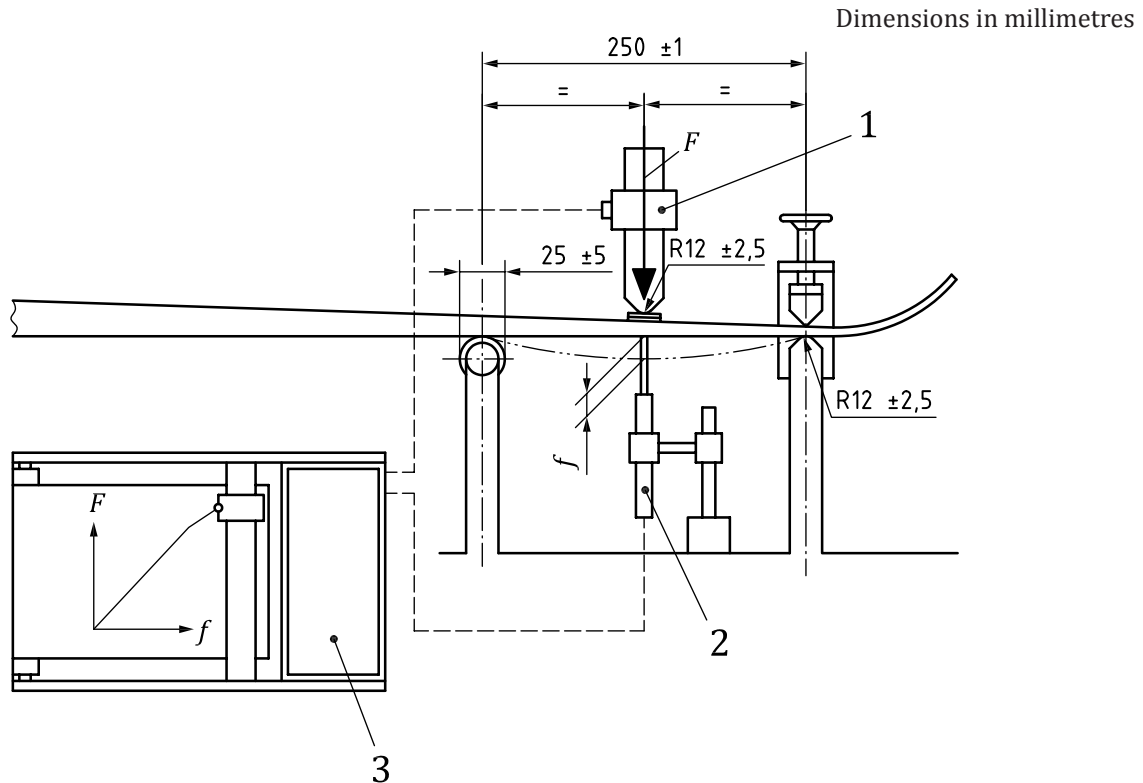
#### **breaking load**

$F_B$

maximum load which, when applied at the load application point, causes failure of the ski (breaking, delamination, buckling, etc.)

## 4 Testing machine

The general arrangement of the bending testing machine is shown in [Figure 1](#).

**Key**

- 1 dynamometer
- 2 displacement measurement gauge
- 3 recorder

**Figure 1 — Testing machine**

The bending testing machine (universal tension and compression testing machine with bending fixture) shall comprise:

- a) two specimen supports, at least 250 mm apart, at least one of which shall be a low friction roller;
- b) a dynamometer, having a range of at least 20 000 N, for measurement of the load,  $F$ ;
- c) a displacement measurement gauge for the deflection,  $f$ .

The load shall be applied to the ski via a ram plate (see [Figure 2](#)), which shall consist of a steel plate, 4 mm thick, and a hard rubber layer, 3 mm thick and having a Shore A hardness of  $95 \pm 5$ . Hardness shall be determined in accordance with ISO 868.