



SLOVENSKI STANDARD
SIST ISO 6265:2017

01-oktober-2017

Nadomešča:
SIST ISO 6265:1995

Alpske smuči - Določevanje deformacijske in zlomne sile

Alpine skis - Determination of deformation load and breaking load

iTeh STANDARD PREVIEW
Skis alpins -- Détermination de la charge de déformation et de la charge de rupture
(standards.iteh.ai)

Ta slovenski standard je istoveten z: ~~SIST ISO 6265:2013~~ ISO 6265:2013

<https://standards.iteh.ai/catalog/standards/sist/dfe6af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>

ICS:

97.220.20 Oprema za zimske športe Winter sports equipment

SIST ISO 6265:2017

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ISO 6265:2017](#)

<https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>

INTERNATIONAL
STANDARD

ISO
6265

Third edition
2013-03-01

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

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ISO 6265:2017](https://standards.iteh.ai/catalog/standards/sist/dfe6af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017)

[https://standards.iteh.ai/catalog/standards/sist/dfe6af3e-4abf-4bd7-8b83-
e46581d47278/sist-iso-6265-2017](https://standards.iteh.ai/catalog/standards/sist/dfe6af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017)



Reference number
ISO 6265:2013(E)

© ISO 2013

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST ISO 6265:2017

<https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Testing machine	1
5 Determination of the load application point	3
6 Conditioning	4
7 Test procedure	4
8 Evaluation	4
8.1 Deformation load	4
8.2 Breaking load	4
9 Test report	4

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST ISO 6265:2017](https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017)

<https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>

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.

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 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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST ISO 6265:2017](https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017)

<https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>

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 (standards.iteh.ai)

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

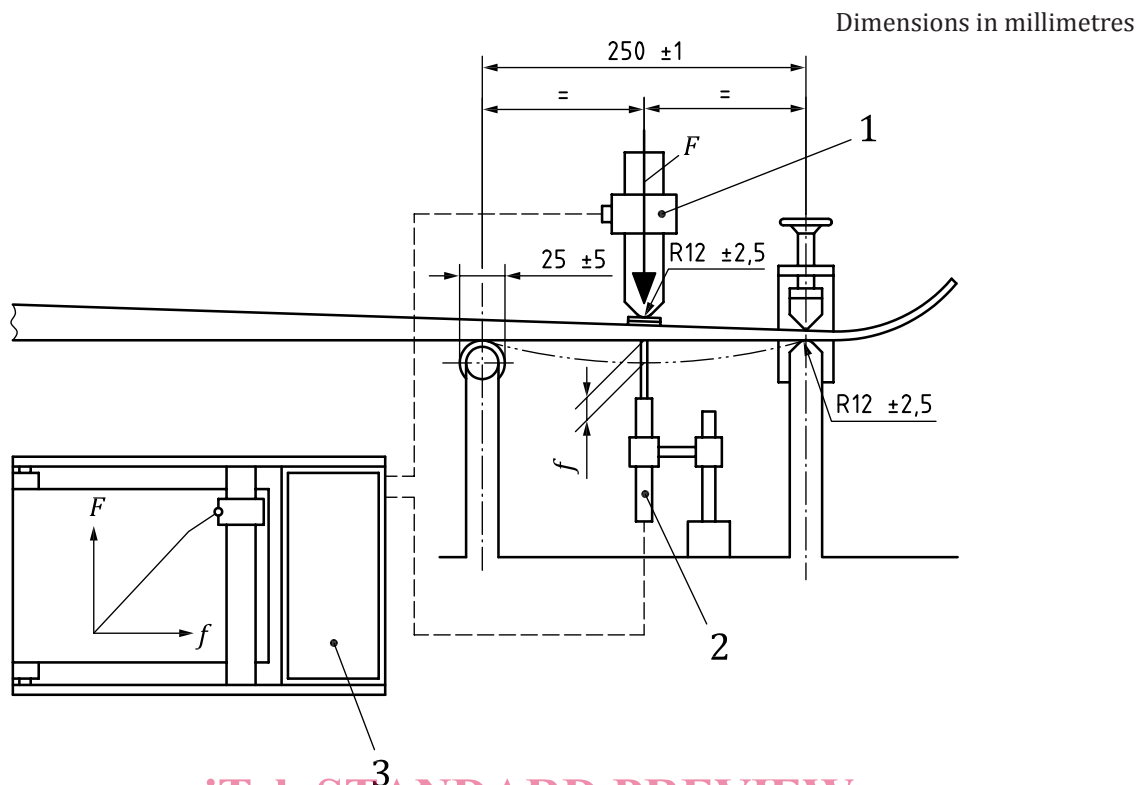
3.2 breaking load

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](#).



iTeh STANDARD PREVIEW
(standards.iteh.ai)

Key

- 1 dynamometer
- 2 displacement measurement gauge
- 3 recorder

[SIST ISO 6265:2017](https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017)

<https://standards.iteh.ai/catalog/standards/sist/df66af3e-4abf-4bd7-8b83-e46581d47278/sist-iso-6265-2017>

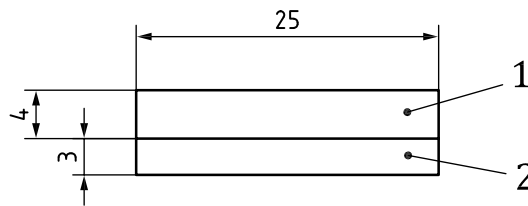
Figure 1 — Testing machine

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 ± 5 . Hardness shall be determined in accordance with ISO 868.

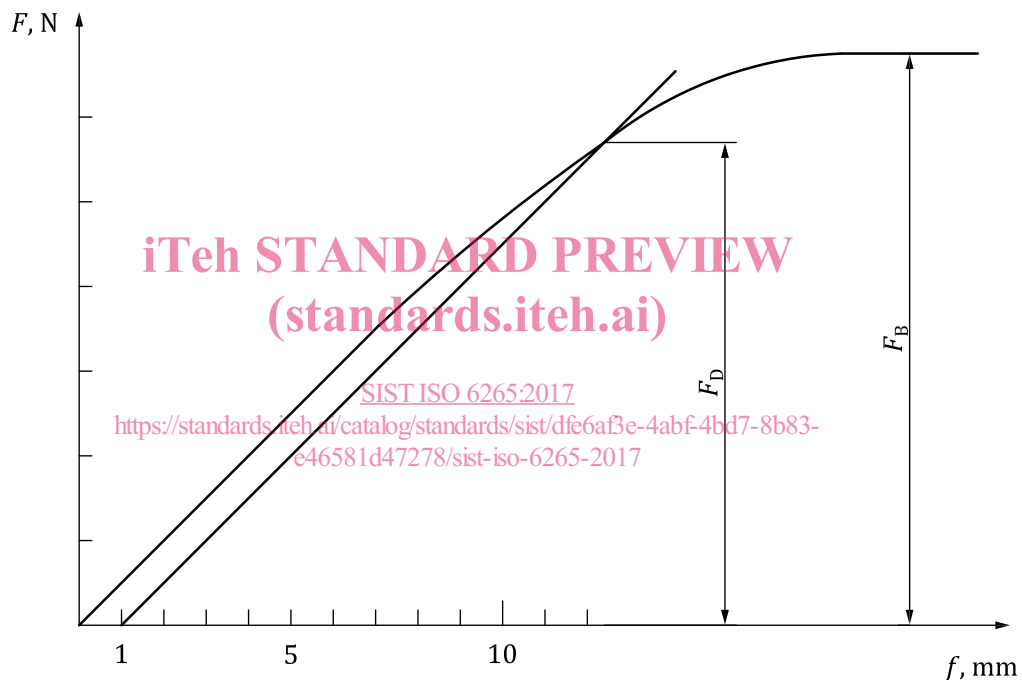
Dimensions in millimetres

**Key**

- 1 steel plate
- 2 hard rubber

Figure 2 — Ram plate

Measurement data shall be recorded by means of a load-displacement recorder (see [Figure 3](#)).

**Key**

- F load
- f deflection
- F_D deformation load
- F_B breaking load

Figure 3 — Typical load-deflection curve and method of evaluation

The specimen supports, as well as the ram plate, shall reach over the whole width of the ski.

5 Determination of the load application point

The test shall be carried out at the load application point with a separation between the supports of $250 \text{ mm} \pm 0,5 \text{ mm}$.

Determine the load application point by moving the ski in a longitudinal direction on the supports until a deflection of: