
Alpine ski-bindings — Requirements and test methods

Fixations de skis alpins — Exigences et méthodes d'essai



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing 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 Test conditions	4
4.1 Loading rate	4
4.2 Accuracy of measurement.....	4
4.3 Test sole	4
4.4 Test ski.....	4
5 Test methods A and B	4
5.1 Principle	4
5.2 Simple torsion test.....	5
5.3 Forward bending test	6
6 Requirements and testing.....	7
6.1 General requirements.....	7
6.2 Release tests — Setting, reproducibility and symmetry of release values	9
6.3 Evaluation of reproducibility of release under different influences	11
6.4 Energy absorption (recentering)	16
6.5 Lateral release under impact loading	16
6.6 Field tests	17
6.7 Exposure to corrosion and dirt	18
7 Marking	19
Annex A (informative) Additional information to conduct tests according to test method A.....	20
Annex B (informative) Fixtures and load configurations necessary for conducting tests using test method B	25
Annex C (normative) Grain size distribution of dirt.....	32
Annex D (informative) Determination of tolerances on M_z and M_y.....	33
Bibliography	35

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 9462 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 3, *Ski bindings*.

This third edition cancels and replaces the second edition (ISO 9462:1993), Clauses 3 and 7/subclauses 5.1, 6.3.3, 6.3.4 and 6.6.2/Tables 1 and 3/Annexes A and B of which have been technically revised/deleted/added. It also incorporates the Amendment ISO 9462:1993/Amd.1:2002 and the Technical Corrigendum ISO 9462:1993/Cor.1:1993.

Alpine ski-bindings — Requirements and test methods

1 Scope

This International Standard specifies the main characteristics of ski-bindings and describes, as an example, the test methods A and B.

This International Standard applies to ski-bindings for alpine skiing for children, juniors and adults.

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 5355:2005, *Alpine ski-boots — Requirements and test methods*

ISO 8061:2004, *Alpine ski-bindings — Selection of release torque values*

ISO 9465:1991, *Alpine ski-bindings — Lateral release under impact loading — Test method*

ISO 9838:1991, *Alpine ski-bindings — Test soles for ski-binding tests*

3 Terms and definitions

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

3.1

alpine ski-binding

system to ensure firm connection between boot and ski, fixing the heel low for downhill skiing

NOTE The system releases the boot from the ski when certain loads reach preset values.

3.2

release

detachment of the boot from the ski by release of the mechanism that ensures the connection between boot and ski

NOTE This release is only considered effective when all the loads due to the boot/ski connection have dropped to values which present no danger to the skier.

3.3

release values

maximum values of torques M_z and M_y caused at the boot/ski connection by the two movements of torsion and forward bending

See Figure 1.