
Alpine ski-bindings — Selection of release torques values

*Fixations de skis alpins — Sélection des valeurs du couple de
déclenchement*



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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.

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).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

This fifth edition cancels and replaces the fourth edition (ISO 8061:2015), which has been technically revised. The main changes compared to the previous edition are as follows:

- [6.3.2](#) has been aligned to ISO 11088;
- Annex A has been deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is part of a family of International Standards, along with ISO 9462 and ISO 9465, dealing with the safety of ski bindings.

National standards might be more extensive regarding, for example, the following:

- combined loading;
- deflexion of the ski.

Alpine ski-bindings — Selection of release torques values

1 Scope

This document specifies methods for the selection of the release torques for alpine ski-bindings. It gives information necessary to determine the release torques recommended for use by ski-binding manufacturers in their instructions for installation and use, and by ski shops for the adjustment of ski-bindings already mounted.

It is applicable to state-of-the-art alpine ski bindings.

It might be inappropriate for non-mechanical bindings or bindings used with boots which reach more than half-way up the lower leg.

This document describes a specified method for the selection of the recommended release torques considering three types of skiers.

The method applies to moment-measuring binding test machines, according to ISO 11110.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 11088, *Alpine ski/binding/boot (S-B-B) system — Assembly, adjustment and inspection*

ISO 11110, *Winter-sports equipment — Test devices for the setting of the functional unit ski/boot/binding — Requirements and tests*

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.1

release torque

load pattern which leads to a release and which is generated by force(s) acting with a lever arm about a specific axis and with the force sum not being equal to 0

Note 1 to entry: The release moment is defined as the load pattern which leads to a release and which is generated by a force-couple (same magnitude but opposite direction) thus resulting in the force sum being equal to 0. The moment can have x, y and z components.

4 Symbols, notations and coordinates

See [Figure 1](#) and [Table 1](#).