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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 40940-2021

Snowboard plate-bindings - Requirements and test methods

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents"

Drafting.

This document is equivalent to ISO 14790.2005 "Requirements and Test Methods for Snowboard Holders".

This document has made the following minimal editorial changes.

---Incorporated into the technical errata content of ISO 14790.2005/Cor.1.2007, and revised the standard name.

1 Scope

This document specifies the basic requirements for ski snowboard holders without tripping devices.

This document applies to ski snowboard holders without tripping devices for adults and children.

This document does not apply to ski snowboard holders with tripping devices or soft snowboard holders.

2 Normative references

The content of the following documents constitutes an indispensable clause of this document through normative references in the text. Among them, dated quotations

Only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

This document.

GB/T 40924-2021 Snowboard holder interface for snowboard boots (ISO 11634.1996, IDT)

ISO 6004.1991 Requirements for fixing screws for alpine skis and skis

(Alpineskis-Skibindingscrews-Re-

quirements)

ISO 9838.1991 Alpine ski bindings test soles for snowboard bindings

(Alpineski-bindings-Test

solesforski-bindingtests)

ISO 11087.2004 Requirements and test methods for maintenance devices of alpine ski

bindings (Alpineski-bindings-Reten-

tiondevices-Requirementsandtestmethods)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Snowboard platebinding

The connecting part between ski boots (hard bottom, in accordance with GB/T 40924-2021) and ski snowboard.

Note. The anti-skid pad is not part of the ski holder.

3.2

Children's ski snowboard binding typeC

Suitable for fixing devices used by children weighing no more than 45kg.

3.3

Adult type snowboard binding typeA

Suitable for fixing devices used by adults weighing more than 45kg.

4 parameters

The stress on the boot can be attributed to the x, y, z in the coordinate system with the center of the ankle joint as the origin of the coordinates (determined by S1 and S2 in Figure 1)

The moment M and the force F on each axis.

The moment and external force shown in Figure 1 are both positive. The corresponding parameter in the opposite direction is set to negative. The arrow indicates the rotation of the

ski boot during exercise

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