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Varnostne vezi za alpske smuči - Zahteve in preskusne metode

Alpine ski-bindings - Requirements and test methods

Fixations de skis alpins - Exigences et méthodes d'essai

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**Alpine ski-bindings — Requirements and
test methods**

Fixations de skis alpins — Exigences et méthodes d'essai



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ISO 9462:2006(E)**Foreword**

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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.

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NOTE 1 These values are generally adjustable on current bindings which have a scale and an indicator displaying the setting level.

NOTE 2 In the present state of the art, bindings are designed at least to release in torsion ($\pm M_z$) and in forward bending ($\pm M_y$)

3.4 reference value

value, adjusted after a series of tests, used as a basis of comparison to evaluate the behaviour of the binding during the tests (see 6.3.1)

3.5 combined loading

loading of the sole or ski in several directions at the same time, where one of the loads is the torque M_z progressively applied to the sole until the binding releases

See Figure 1 and Table 1.

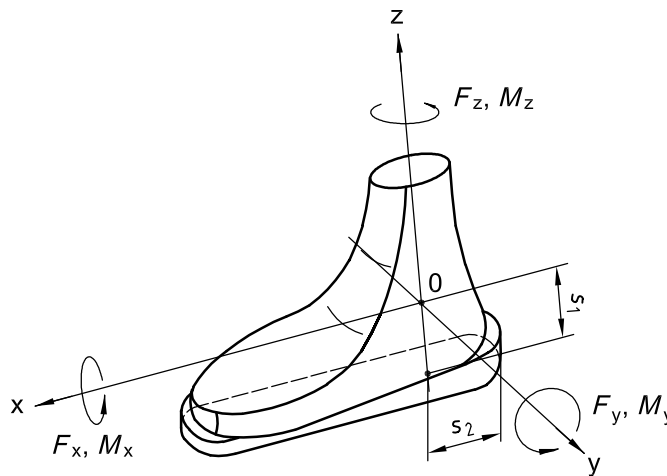


Figure 1 — Definition of the loads and torques

Table 1 — Coordinates of reference point 0

Dimensions in millimetres

	Type of binding		
	C	CA	A
s_1	85	100	100
s_2	70	80	80

NOTE Each of the load combinations simulates a given situation, chosen within an infinite field of possibilities and simplified for the purpose of the tests. The main simplification being that the loads applied additionally to the release torque M_z are held constant in value and direction during all the release process.