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## Alpine skis — Determination of fatigue indexes — Cyclic loading test

*Skis alpins — Détermination des indices de fatigue — Essai en  
flexion alternée*



Reference number  
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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.

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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 6266 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 4, *Snowsports equipment*.

This second edition cancels and replaces the first edition (ISO 6266:1980), which has been technically revised.

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## Introduction

Previous investigations showed that the fatigue of an alpine ski is not easy to describe. If one understands by fatigue the remaining negative change of some characteristics of the ski, influencing the performance of the ski, as a result of normal use, several tests would be necessary to determine exactly the susceptibility of a ski to such changes. In addition, some factors may have substantial influence on the results such as ski length, spring constant, test temperature, kind of vibration, frequency etc. It was therefore decided that a test method taking account of all these factors might be of some interest for ski research but that it should not be proposed for standardization.

Instead of this, a simplified test of the fatigue behaviour of two important characteristics of the ski (i.e. of camber height and centre spring constant) was proposed for standardization.