
**Cross-country skis — Determination
of mass and location of balance point**

*Skis de fond — Détermination de la masse et de l'emplacement du
point d'équilibre*

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Foreword

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This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*, Subcommittee SC 04, *Snowsports equipment*.

This second edition cancels and replaces the first edition (ISO 7138:1984), which has been technically revised.

Cross-country skis — Determination of mass and location of balance point

1 Scope

This document specifies laboratory measurement methods for mass and location of the balance point of cross-country skis.

If laboratory measurement data are determined and published by manufacturers or other institutions, standard measurement procedures can be used to ensure comparability.

It is not the purpose of this document to evaluate the measurement data with regard to their influence on the quality of the ski.

2 Normative references

There are no normative references in this document.

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:

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

3.1

mass of the ski

mass of a finished manufactured ski without any mounted parts

3.2

balance point

BP

line perpendicular to the centre line of the running surface at which the ski is in horizontal equilibrium (balanced) when placed on a fulcrum

4 Apparatus

4.1 **Weighing device**, accurate to ± 20 g.