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Second edition  
2011-12-01

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## Personal protective equipment — Test methods for footwear

*Équipement de protection individuelle — Méthodes d'essais pour les chaussures*



Reference number  
ISO 20344:2011(E)

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Published in Switzerland

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

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 20344 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 161, *Foot and leg protectors*, in collaboration with ISO Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 3, *Foot protection*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 20344:2004), which has been technically revised. It also incorporates the Technical Corrigendum ISO 20344:2004/Cor.1:2005 and the Amendment ISO 20344:2004/Amd.1:2007.

The main differences between this edition and the 2004 edition are:

- Annex A, inclusion of a new procedure for plasticine calibration;
- Annex C, inclusion of a new table for footwear sizing;
- 4.1, Table 1, clarification of the method for sampling;
- 5.1, clarification on testing of ergonomic features;
- 5.4 and 5.5, inclusion of a reference to EN 12568:2010;
- 5.8.3, different test methods for anti-penetration insoles;
- 5.15.2, inclusion of a new test method for water resistance;
- 6.4.2 and 6.5.2, inclusion of test methods (due to the withdrawal of ISO 2023);
- 6.11, replacement of the method for determination of chromium VI by a reference to ISO 17075;
- withdrawal of 5.11, "Determination of the electrical insulation".