SLOVENSKI STANDARD
oSIST prEN ISO 20346:2012

01-oktober-2012

Osebna varovalna oprema - Varovalna obutev (ISO/DIS 20346:2012)

Personal protective equipment - Protective footwear (ISO/DIS 20346:2012)

Persönliche Schutzausrüstung - Schutzschuhe (ISO/DIS 20346:2012)

Équipement de protection individuelle - Chaussures de protection (ISO/DIS 20346:2012)

Ta slovenski standard je istoveten z: **prEN ISO 20346 rev**

ICS:

13.340.50 Varovanje nog in stopal Leg and foot protection

oSIST prEN ISO 20346:2012 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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ICS 13.340.50

Will supersede EN ISO 20346:2004

English Version

Personal protective equipment - Protective footwear (ISO/DIS 20346:2012)

Équipement de protection individuelle - Chaussures de protection (ISO/DIS 20346:2012)

Persönliche Schutzausrüstung - Schutzschuhe (ISO/DIS 20346:2012)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 161.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (prEN ISO 20346:2012) has been prepared by Technical Committee CEN/TC 161 “Foot and leg protectors”, the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 94 "Personal safety - Protective clothing and equipment".

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 20346:2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

DRAFT INTERNATIONAL STANDARD ISO/DIS 20346

ISO/TC **94**/SC **3** Secretariat: **BSI**

Voting begins on **2012-08-02** Voting terminates on **2013-01-02**

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Personal protective equipment — Protective footwear

Équipement de protection individuelle — Chaussures de protection

[Revision of first edition (ISO 20346:2004), ISO 20346:2004/Cor.1:2005, ISO 20346:2004/Cor.2:2006 and ISO 20346:2004/Amd.1:2007]

ICS 11.040.40

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the European Committee for Standardization (CEN), and processed under the **CEN-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

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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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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 20346 was prepared by Technical Committee ISO/TC 94, *Personal safety - Protective clothing and equipment*, Subcommittee SC 3, and by Technical Committee CEN/TC 161, *Foot and leg protectors* in collaboration.

This second edition cancels and ISO 20346:2004 which has been technically revised.

1 Scope

This International Standard specifies basic and additional (optional) requirements for protective footwear.

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.

EN 12568:2010 *Foot and leg protectors – Requirements and test methods for toecaps and penetration resistant inserts*

ISO 20344:2011 *Personal protective equipment – Test methods for footwear*

3 Terms and definitions

For the purposes of this European Standard, the following terms and definitions apply.

NOTE The component parts of footwear are illustrated in Figures 1 and 2.

3.1
protective footwear
footwear, incorporating protective features to protect the wearer from injuries which could arise through accidents, fitted with toecaps, designed to give protection against impact when tested at an energy level of at least 100 J and against compression when tested at a compression load of at least10 kN

3.2
leather

3.2.1
leather
hide or skin tanned to be imputrescible

3.2.2
leather split
flesh or middle part of a hide or skin tanned to be imputrescible obtained by splitting a thick leather

3.3
rubber
vulcanized elastomers

3.4
polymeric materials
for example polyurethane or polyvinylchloride

3.5
insole
non-removable component used to form the base of the shoe to which the upper is usually attached during lasting

3.6
insock
removable or permanent footwear component used to cover part or all of the insole

3.7
lining
material covering the inner surface of the upper

NOTE 1 The wearer's foot is in direct contact with the lining.

NOTE 2 Where an upper is split at the forepart to house the toecap, or if an external piece of material is stitched to the upper to form a pocket to house the toecap, the material under the toecap acts as a lining.

3.7.1
vamp lining
material covering the inner surface of the forepart of the upper

3.7.2
quarter lining
material covering the inner surface of the quarters of the upper

3.8
cleat(s)
protruding part(s) of the outer surface of the sole

3.9
rigid outsole
sole which, when the complete footwear is tested in accordance with ISO 20344:2011, 8.4.1, can not be bent through an angle of 45° under a load of 30 N

3.10
cellular outsole
outsole having a density of 0,9 g/ml or less with a cell structure visible under 10x magnification

3.11
penetration-resistant insert
footwear component placed in the sole complex in order to provide protection against penetration

3.12
protective toecap
footwear component built into the footwear designed to protect the toes of the wearer from impacts up to an energy level of at least100 J and compression at a load of at least10 kN

3.13
seat region
rear quarter of the total length of the footwear (upper and sole)

3.14
conductive footwear
footwear whose resistance, when measured according to ISO 20344:2011, 5.10, lies in the range of 0 to 100 kΩ

3.15
antistatic footwear
footwear whose resistance, when measured according to ISO 20344:2011, 5.10, lies above 100 kΩ and is less than or equal to 1 000 MΩ

3.16
electrically insulating footwear
footwear which protects the wearer against electrical shocks by preventing the passage of dangerous current through the body via the feet

3.17
fuel oil
aliphatic hydrocarbon constituent of petroleum

3.18
specific job related footwear
safety, protective or occupational footwear relating to a specific profession, e.g. footwear for firefighters, footwear with resistance to chain saw cutting, etc.