



SLOVENSKI STANDARD SIST EN ISO 20347:2004

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Nadomegl' a:

SIST EN 347:1996

SIST EN 347-2:1996

Osebna varovalna oprema - Delovna obutev (ISO 20347:2004)

Personal protective equipment - Occupational footwear - (ISO 20347:2004)

Persönllliche Schutzausrüstung - Berufsschuhe (ISO 20347:2004)

Equipement de protection individuelle - Chaussures de travail (ISO 20347:2004)

Ta slovenski standard je istoveten z: **EN ISO 20347:2004**

ICS:

13.340.50	Varovanje nog in stopal	Leg and foot protection
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SIST EN ISO 20347:2004

en

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English version

Personal protective equipment - Occupational footwear
(ISO 20347:2004)

Équipement de protection individuelle - Chaussures de
travail (ISO 20347:2004)

Persönliche Schutzausrüstung - Berufsschuhe (ISO
20347:2004)

This European Standard was approved by CEN on 2 January 2004.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN ISO 20347:2004) 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 European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2005, and conflicting national standards shall be withdrawn at the latest by August 2005.

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).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

In conjunction with EN ISO 20344:2004, this standard supersedes EN 347:1992 and EN 347-2:1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom

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1 Scope

This European Standard specifies basic and additional (optional) requirements for occupational 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: 1998, *Foot and leg protectors – Requirements and test methods for toecaps and metal penetration resistant inserts*

EN ISO 20344:2004, *Personal protective equipment - Test methods for footwear (ISO 20344:2004)*

3 Terms and definitions

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

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

3.1

occupational footwear

footwear, incorporating protective features to protect the wearer from injuries which could arise through accidents

3.2

leather

3.2.1

full grain leather

hide or skin tanned to be imputrescible having conserved the totality of its grain

3.2.2

corrected grain leather

hide or skin tanned to be imputrescible which has been subjected to mechanical buffing to modify its grain structure

3.2.3

leather split

flesh or middle part of a hide or skintanned 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 EN ISO 20344:2004, 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

seat region

backpart of the footwear (upper and sole)

3.13

conductive footwear

footwear whose resistance, when measured according to EN ISO 20344:2004, 5.10, lies in the range of 0 to 100 kΩ

3.14

antistatic footwear

footwear whose resistance, when measured according to EN ISO 20344:2004, 5.10, lies above 100 kΩ and is less than or equal to 1 000 MΩ

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3.15

electrically insulating footwear

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

3.16

fuel oil

aliphatic hydrocarbon constituent of petroleum

3.17

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.

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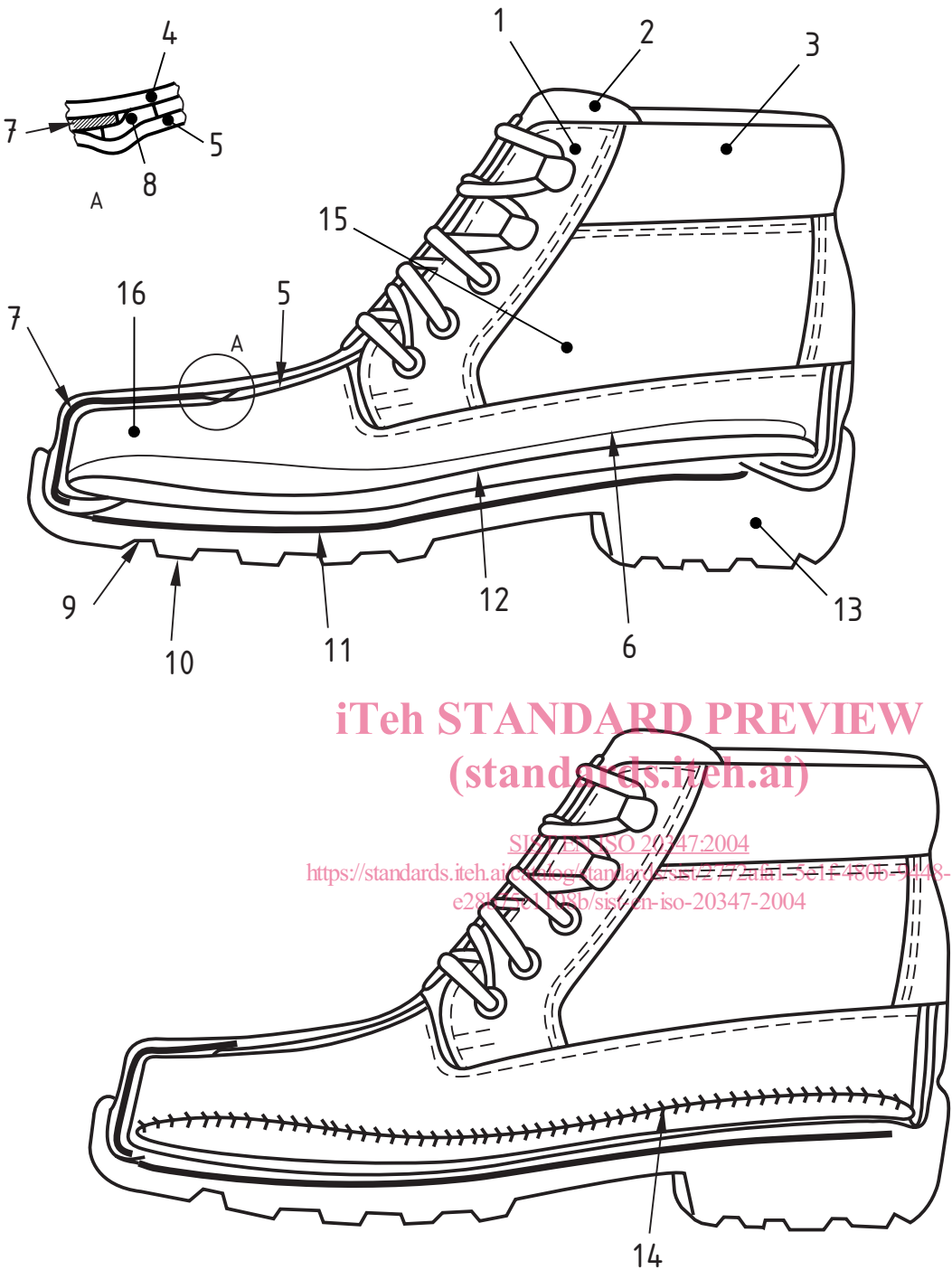
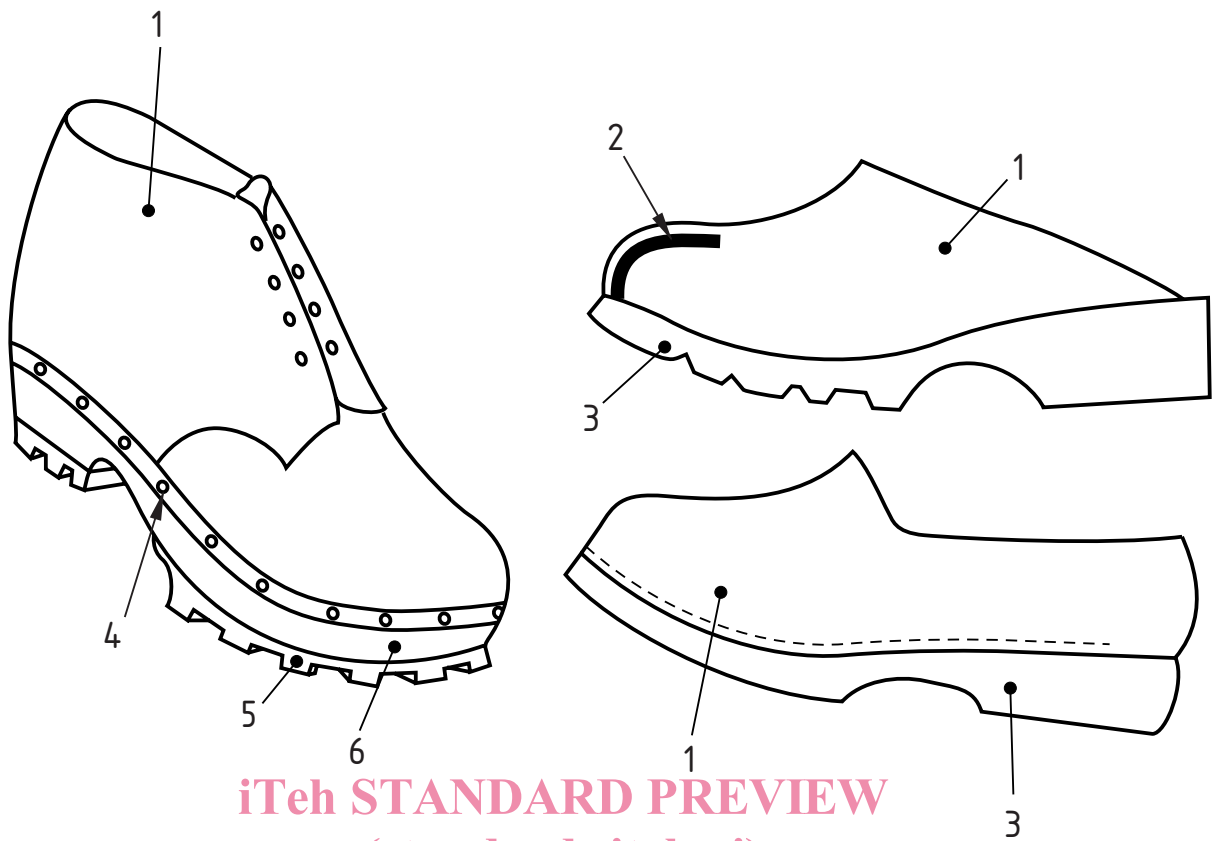


Figure 1a) Parts of footwear of Strobel construction

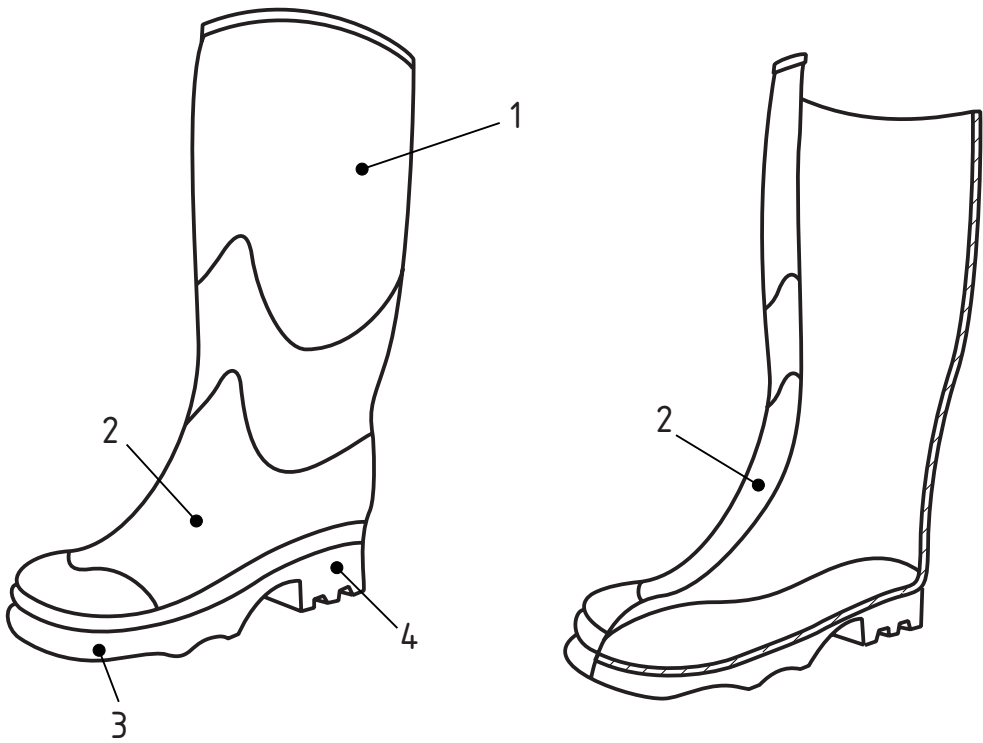


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Key

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|---|--------|---|-----------------------------|---|-------------|
| 1 | Upper | 3 | Rigid sole | 5 | Outsole |
| 2 | Toecap | 4 | Reinforcing welt with nails | 6 | Wooden sole |

Figure 1b) Parts of footwear of conventional construction



Key

1	Upper	3	Outsole
2	Vamp	4	Heel

Figure 2 — Parts of all-rubber (i.e. vulcanized) or all-polymeric (i.e. entirely moulded) footwear