



SLOVENSKI STANDARD
oSIST prEN ISO 17249:2024
01-november-2024

Varovalna obutev odporna proti urezu z verižno žago (ISO/DIS 17249:2024)

Safety footwear for users of handheld chain saws (ISO/DIS 17249:2024)

Sicherheitsschuhe für die Benutzer von handgeführten Kettensägen (ISO/DIS 17249:2024)

Chaussures de sécurité pour utilisateurs de scies à chaîne tenues à la main (ISO/DIS 17249:2024)

Ta slovenski standard je istoveten z: prEN ISO 17249

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13.340.50 Varovanje nog in stopal Leg and foot protection

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en,fr,de



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Safety footwear for users of handheld chain saws

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and equipment*, Subcommittee SC 3, *Foot protection*.

This third edition cancels and replaces the second edition (ISO 17249:2013) which has been technically revised.

The main changes are as follows:

- The scope was revised;
- The term “mudguard” and a corresponding Figure were added ([3.2](#) and [Figure 2](#));
- The general testing parameters were revised ([Clause 4](#));
- A reference on customized insoles was added in [6.1](#);
- Hybrid footwear was added ([Table 1](#) and [2](#));
- The requirements on slip resistance were clarified ([Table 2](#));
- Seam strength was added ([Table 2](#));
- Perforation resistance was revised ([Table 2](#));
- Electrically insulating footwear according to EN 50321 was deleted ([Table 2](#));
- Water vapour permeation was deleted ([Table 2](#));
- Reference insole/insock/seat sock/footbeds testing was revised ([Table 2](#));
- The requirement for cut resistance “CR” was added ([Table 2](#));
- An optional requirement for scuff caps “SC” was added ([Table 2](#));
- The optional requirement Ladder grip “LG” was added ([Table 2](#));

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- [6.2](#) *Design* was revised;
- [Table 3](#) *Minimum height of the protective area* was revised;
- [6.3](#) *Construction* was revised;
- [Figure 3](#) *Minimum protective area* was revised;
- [6.4](#) *Resistance to chain saw cutting* was revised;
- [Clause 7](#) *Marking* was revised;
- [Clause 8](#) *Manufacturer's instructions and information* was revised;
- Sub-clauses 8.3 to 8.5 were deleted;
- [Annex A](#) *Assessment of the footwear by the wearer* including the Figures has been revised;
- [Annex B](#) *Deviation to the test methods of ISO 11393 3:2018* was added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Safety footwear for users of handheld chain saws

1 Scope

This document specifies requirements for safety footwear for users of handheld chain saws. It also specifies requirements for footwear for users of handheld chain saws equipped with customized insoles.

Special risks are covered by complementary job-related standards (e.g. electrically insulating footwear, protection against molten metal splash).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 20344:2021+A1:2024, *Personal protective equipment — Test methods for footwear*

ISO 20345:2021+A1:2024, *Personal protective equipment — Safety footwear*

ISO 11393-2:2018, *Protective clothing for users of hand-held chainsaws — Part 2: Performance requirements and test methods for leg protectors*

ISO 11393-3:2018, *Protective clothing for users of hand-held chainsaws — Part 3: Test methods for footwear*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20345:2021+A1:2024 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

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

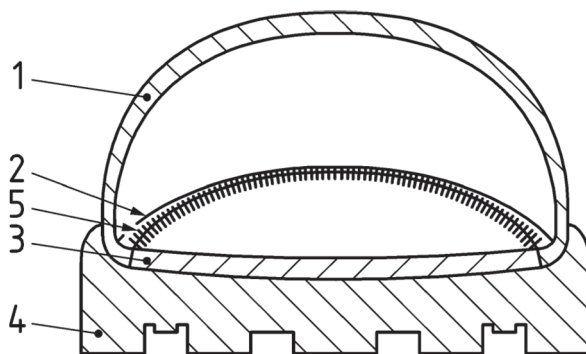
3.1

feather line

line around the inside of the footwear where the foot enclosure turns from vertical to horizontal

Note 1 to entry: This is not ordinarily the same as the insole edge or sole edge. See [Figure 1](#).

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Key

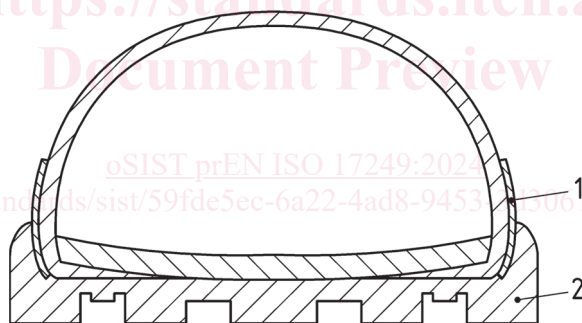
- 1 upper
- 2 feather line
- 3 insole
- 4 outsole
- 5 Strobel stitching

Figure 1 — Position of the feather line

3.2 mudguard

strip of material incorporated or connected to the feather line of the sole, considered part of it, for granting better protection against debris, mud and water

Note 1 to entry: See also ISO 20344:2021+A1:2024, Figure 2 Type e)



Key

- 1 mudguard
- 2 sole

Figure 2 — Mudguard

4 General testing parameters

The requirements of ISO 20344:2021+A1:2024, Clause 4 shall apply.

5 Classification

Safety footwear for users of handheld chain saws shall be classified in accordance with [Table 1](#).