

Irish Standard
I.S. EN ISO 22568-1:2019&LC:2020

Foot and leg protectors - Requirements and test methods for footwear components - Part 1: Metallic toecaps (ISO 22568-1:2019, Corrected version 2020-11)

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National Foreword

I.S. EN ISO 22568-1:2019&LC:2020 is the adopted Irish version of the European Document EN ISO 22568-1:2019, Foot and leg protectors - Requirements and test methods for footwear components - Part 1: Metallic toecaps (ISO 22568-1:2019, Corrected version 2020-11)

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Corrected Version

EN ISO 22568-1:2019

ISO has published (Corrected version 2020-11) of ISO 22568-1:2019.

We apologise for any inconvenience this may cause.

Titles and Forewords have been updated accordingly for English and French versions.

Reference:

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EUROPEAN STANDARD

EN ISO 22568-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2019

ICS 13.340.50

Supersedes EN 12568:2010

English Version

Foot and leg protectors - Requirements and test methods for footwear components - Part 1: Metallic toecaps (ISO 22568-1:2019, Corrected version 2020-11)

Protecteurs du pied et de la jambe - Exigences et méthodes d'essais pour les composants de chaussure -Partie 1: Embouts métalliques (ISO 22568-1:2019, Version corrigée 2020-11) Fuß- und Beinschutz - Anforderungen und Prüfverfahren für Schuhkomponenten - Teil 1: Metallische Zehenkappen (ISO 22568-1:2019, korrigierte Fassung 2020-11)

This European Standard was approved by CEN on 25 February 2019.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 09 December 2020.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN ISO 22568-1:2019 (E)

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European foreword

This document (EN ISO 22568-1:2019) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 161 "Foot and leg protectors" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by October 2019, and conflicting national standards shall be withdrawn at the latest by October 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 22568-1:2019, Corrected version 2020-11 has been approved by CEN as EN ISO 22568-1:2019 without any modification.

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INTERNATIONAL STANDARD

ISO 22568-1

First edition 2019-03

Corrected version 2020-11

Foot and leg protectors — Requirements and test methods for footwear components —

Part 1: **Metallic toecaps**

Protecteurs du pied et de la jambe — Exigences et méthodes d'essais pour les composants de chaussure —

Partie 1: Embouts métalliques



Reference number ISO 22568-1:2019(E)



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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.

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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

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

A list of all parts in the ISO 22568 series can be found on the ISO website.

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.

This corrected version of ISO 22568:2019 incorporates the following correction:

— In <u>5.3.2</u>, the last three paragraphs have been added.

Introduction

ISO 20345, ISO 20346 and ISO 20347^[2] are related to safety, protective and occupational footwear which define the performance and required properties of the footwear. On introducing these standards all national standards relating to safety toecaps were withdrawn leaving the manufacturers of these items with no means of demonstrating the performance of their products. This document has been prepared to allow manufacturers to demonstrate the performance level of the toecaps before being inserted into the footwear.

Metallic toecaps complying with the requirements of this document are suitable components of "PPE footwear".

Foot and leg protectors — Requirements and test methods for footwear components —

Part 1:

Metallic toecaps

1 Scope

This document specifies requirements and test methods for metallic toecaps, intended to function as components of PPE footwear (e.g. as described by ISO 20345 and ISO 20346).

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 20345, Personal protective equipment — Safety footwear

ISO 20346, Personal protective equipment — Protective footwear

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20345, ISO 20346 and the following apply.

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

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

3.1

internal metallic toecap

metallic toecap intended to be incorporated underneath the upper of footwear intended to provide protection against mechanical impact and compression

Note 1 to entry: External toecaps were used in the past, they are not used anymore and they are not covered by the present document.

4 Requirements for metallic toecaps

4.1 General

This document defines two types of metallic toecaps (type A and type B) to cover the various types of footwear constructions.

For each of the required measurements performed in accordance with this document, a corresponding estimate of the uncertainty of measurement should be evaluated. One of the following approaches should be used:

— statistical method, e.g. that given in ISO 5725-2^[1];



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