

Irish Standard
I.S. EN ISO 20349-2:2017&LC:2018

Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017)

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National Foreword

I.S. EN ISO 20349-2:2017&LC:2018 is the adopted Irish version of the European Document EN ISO 20349-2:2017, Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017)

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Reference: EN ISO 20349-2:2017 Title: Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017)		
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Please include	the following minor editorial correction(s) in the document related to:	
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It has been brou	ght to our attention that this document, issued on 2017-08-23, requires modification.	
DOW has been	corrected in the forewords, "September 2019".	
Please find encl	osed the updated English and French versions.	



Correction Notice

Reference: <u>EN ISO 20349-2:2017</u>		
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It has been broug	ght to our attention that this document, issued on 2017-08-23, requires modification.	
Modification mad	de to Table ZA.1	
Please find enclo	osed the updated English version.	
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EUROPEAN STANDARD

EN ISO 20349-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

ICS 13.340.50

Supersedes EN ISO 20349:2010

English Version

Personal protective equipment - Footwear protecting against risks in foundries and welding - Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017)

Équipement de protection individuelle - Chaussures de protection contre les risques dans les fonderies et lors d'opérations de soudage - Partie 2: Exigences et méthodes d'essai pour la protection contre les risques lors d'opérations de soudage et techniques connexes (ISO 20349-2:2017)

Persönliche Schutzausrüstung - Schuhe zum Schutz gegen Risiken in Gießereien und beim Schweißen - Teil 2: Anforderungen und Prüfverfahren zum Schutz gegen Risiken beim Schweißen und verwandten Verfahren (ISO 20349-2:2017)

This European Standard was approved by CEN on 12 June 2017.

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EN ISO 20349-2:2017 (E)

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EN ISO 20349-2:2017 (E)

European foreword

This document (EN ISO 20349-2:2017) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Protective clothing and 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 March 2018 and conflicting national standards shall be withdrawn at the latest by September 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.

This document supersedes EN ISO 20349:2010.

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.

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

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Endorsement notice

The text of ISO 20349-2:2017 has been approved by CEN as EN ISO 20349-2:2017 without any modification.

Annex ZA (informative)

Clauses of this European Standard addressing essential requirements or other provisions of EU directives 89/686/EEC Personal Protective Equipment aimed to be covered

This This European Standard has been prepared under a Commission's standardization request M/031 Personal protective equipment to provide one voluntary means of conforming to essential] requirements of the New Approach Directive 89/686/EEC Personal Protective Equipment.

Once this standard is cited in the Official Journal of the European Union under that Directive 89/686/EEC, compliance with the normative clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive 89/686/EEC, and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and EU Directive 89/686/EEC Personal Protective Equipment

Essential Requirements of Directive 89/686/EEC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
1.1.1 Ergonomics	7.1	EN ISO 20345:2011, 5.3.4
1.2 Innocuousness of PPE	7.5	
1.4 Information supplied by the manufacturer	9	
2.2 PPE enclosing the parts of the body to be protected		EN ISO 20345:2011, 5.4.6, 5.5.3
2.4 PPE subject to ageing	7.3, 7.4	EN ISO 20345:2011, 5.3.2.5, 6.4.1, 6.2.3.1, 6.2.3.2 and 5.4.8
2.12 PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	8	
3.1.1 Impact caused by falling or ejected objects and collisions of parts of the body with an obstacle.		EN ISO 20345: 5.3.2.3, 6.2.4, 6.2.6, 6.2.7, 6.4.1
3.1.2.1 Prevention of falls due to slipping		EN ISO 20345:2011, 5.3.5
3.2 Protection against (static) compression of part of the body		EN ISO 20345:2011, 5.3.2.4, 6.2.1 and 6.2.4
3.3 Protection against physical injury (abrasion, perforation, cuts, bites)		EN ISO 20345:2011, 6.2.1, 6.2.6, 6.2.7 and 6.2.8

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3.6 Protection against heat and/or fire	7.3, 7.4	EN ISO 20345:2011, 6.2.3.1 and 6.4.1
3.7 Protection against cold		EN ISO 20345:2011, 6.2.3.2
3.8 Protection against electric shock		EN ISO 20345:2011, 6.2.2.3

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

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INTERNATIONAL STANDARD

ISO 20349-2

First edition 2017-07

Personal protective equipment — Footwear protecting against risks in foundries and welding —

Part 2:

Requirements and test methods for protection against risks in welding and allied processes

Équipement de protection individuelle — Chaussures de protection contre les risques dans les fonderies et lors d'opérations de soudage —

Partie 2: Exigences et méthodes d'essai pour la protection contre les risques lors d'opérations de soudage et techniques connexes



ISO 20349-2:2017(E)



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ISO 20349-2:2017(E)

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 on 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by the European Committee Standardization (CEN) Technical Committee CEN/TC 161, Foot and leg protectors in equipment, in collaboration with ISO Technical Committee 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 first edition of ISO 20349-2 cancels and replaces ISO 20349:2010, which has been technically revised.

A list of all parts in the ISO 20349 series can be found on the ISO website.

Personal protective equipment — Footwear protecting against risks in foundries and welding —

Part 2:

Requirements and test methods for protection against risks in welding and allied processes

WARNING — This document calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

1 Scope

This document specifies requirements and test methods for footwear protecting users against risks, such as those encountered in welding and allied process.

Footwear complying with this document also offers other protection as defined in ISO 20345.

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 20344:2011, Personal protective equipment — Test methods for footwear

ISO 20345:2011, Personal protective equipment — Safety footwear

EN 348, Protective clothing — Determination of behaviour of materials on impact of small splashes of molten metal

EN 15090:2012, Foot wear for firefighters

EN 50321:1999, Electrical insulating foot wear for working on low voltage installations

3 Terms and definitions

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

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

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

4 Classifications of footwear

Footwear shall be class I or class II as defined in Table 1.



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