
Zaščita za oči in obraz za poklicno uporabo - 2. del: Dodatne zahteve za ščitnike, ki se uporabljajo pri varjenju in sorodnih tehnikah (ISO 16321-2:2021)

Eye and face protection for occupational use - Part 2: Additional requirements for protectors used during welding and related techniques (ISO 16321-2:2021)

Augen- und Gesichtsschutz für berufliche Anwendungen - Teil 2: Zusätzliche Anforderungen an Schutzgeräte, die während des Schweißens und verwandten Verfahren verwendet werden (ISO 16321-2:2021)

Protection des yeux et du visage à usage professionnel - Partie 2: Exigences complémentaires relatives aux protecteurs utilisés pour le soudage et les techniques connexes (ISO 16321-2:2021)

Ta slovenski standard je istoveten z: EN ISO 16321-2:2021

ICS:

13.340.20 Varovalna oprema za glavo Head protective equipment

SIST EN ISO 16321-2:2021

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 16321-2

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ICS 13.340.20

English Version

**Eye and face protection for occupational use - Part 2:
Additional requirements for protectors used during
welding and related techniques (ISO 16321-2:2021)**

Protection des yeux et du visage à usage professionnel
- Partie 2: Exigences complémentaires relatives aux
protecteurs utilisés pour le soudage et les techniques
connexes (ISO 16321-2:2021)

Augen- und Gesichtsschutz für berufliche
Anwendungen - Teil 2: Zusätzliche Anforderungen an
Schutzgeräte, die während des Schweißens und
verwandten Verfahren verwendet werden (ISO 16321-
2:2021)

This European Standard was approved by CEN on 7 November 2020.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 16321-2:2021) has been prepared by Technical Committee ISO/TC 94 "Personal safety - Personal protective equipment" in collaboration with Technical Committee CEN/TC 85 "Eye protective equipment" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by March 2022, and conflicting national standards shall be withdrawn at the latest by September 2024.

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 has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation 2016/425.

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

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN websites.

The following referenced documents are indispensable for the application of this document. For undated references, the latest edition of the referenced document (including any amendments) applies. For dated references, only the edition cited applies. However, for any use of this document 'within the meaning of Annex ZA', the user should always check that any referenced document has not been superseded and that its relevant contents can still be considered the generally acknowledged state-of-art.

When an IEC or ISO standard is referred to in the ISO standard text, this shall be understood as a normative reference to the corresponding EN standard, if available, and otherwise to the dated version of the ISO or IEC standard, as listed below.

NOTE The way in which these referenced documents are cited in normative requirements determines the extent (in whole or in part) to which they apply.

Undated normative references in the ISO standard	Clause(s) of the ISO standard	Equivalent dated standard	
		EN	ISO or IEC
ISO 4007	Clause 2 & 3	EN ISO 4007:2018	ISO 4007:2018
ISO 11664-1	Clause 2 & 4.3.1.1	EN ISO 11664-1:2011	ISO 11664-1:2007
ISO 11664-2	Clause 2 & 4.3.1.1	EN ISO 11664-2:2011	ISO 11664-2:2007
ISO 16321-1	Clause 1, 2, & 4.1	EN ISO 16321-1:2020	ISO 16321-1:2020
ISO 18526-1	Clause 2	EN ISO 18526-1:2020	ISO 18526-1:2020
ISO 18526-2	Clause 2	EN ISO 18526-2:2020	ISO 18526-2:2020
ISO 18526-3	Clause 2	EN ISO 18526-3:2020	ISO 18526-3:2020
ISO 18526-4	Clause 2, 6.3 & 7	EN ISO 18526-4:2020	EN ISO 18526-4:2020

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

Endorsement notice

The text of ISO 16321-2:2021 has been approved by CEN as EN ISO 16321-2:2021 without any modification.

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Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Regulation 2016/425 aimed to be covered

This European Standard has been prepared under a Commission's standardization request [Full reference to the request "M/571"/"C(2015) xxxx final"] to provide one voluntary means of conforming to requirements of Regulation 2016/425.

Once this standard is cited in the Official Journal of the European Union under that Regulation 2016/425 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 Regulation 2016/425 and associated EFTA regulations.

**Table ZA.1 — Correspondence between this European Standard and
Annex II of Regulation 2016/425**

Essential Requirements of Regulation 2016/425	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
<p>Most Essential Requirements of Regulation 2016/425 are wholly or partially covered by reference to EN ISO 16321-1:2020 as described in Clause 4.1 of this standard.</p> <p>4.1; 4.2; 4.3</p> <p>https://standards.iteh.ai/catalog/standards/sist/a69b0d5-3dc6-4c0b-8714-8e89a0588976/sist-en-iso-16321-2-2021</p>		
1.1.1 Ergonomics	4.1; 4.2; 4.3	By reference to EN ISO 16321-1:2020
1.1.2 Level and classes of protection	4; 5	By reference to EN ISO 16321-1: 2020
1.2.1 Absence of risks and other 'inherent' nuisance factors	4.1	By reference to EN ISO 16321-1: 2020
1.2.1.1 Suitable constituent materials	4.1	By reference to EN ISO 16321-1: 2020
1.2.1.2 Satisfactory surface condition of all PPE parts in contact with the user	4.1	By reference to EN ISO 16321-1: 2020
1.2.1.3 Maximum permissible user impediment	4.3; 4.4	By reference to EN ISO 16321-1: 2020
1.3.1 Adaptation of PPE to user morphology	4.1	By reference to EN ISO 16321-1: 2020
1.3.2 Lightness and design strength	5.2	By reference to EN ISO 16321-1: 2020
1.4 Manufacturer's instructions and information	7	
2.1 PPE incorporating adjustment	4.1	By reference to EN ISO 16321-1: 2020

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Essential Requirements of Regulation 2016/425	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
systems		
2.3 PPE for the face, eyes and respiratory system	4.2; 4.3.2; 4.4.3; 4.4.4; 4.4.5; 5.2.2	By reference to EN ISO 16321-1: 2020
2.9 PPE incorporating components which can be adjusted or removed by the use	4.1	By reference to EN ISO 16321-1: 2020
2.12 PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	6	
3.1.1 Impact caused by falling or ejected objects and collision of parts of the body with obstacle	4.1	By reference to EN ISO 16321-1: 2020
3.6.1 PPE constituent materials and other components	4.3.1; 5.2.5	By reference to EN ISO 16321-1: 2020
3.6.2 Complete PPE ready for use	4.3.1; 5.2.5; 7	By reference to EN ISO 16321-1: 2020
3.9.1 Non-ionising radiation	4.3.1; 4.4; 5.1	

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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WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

INTERNATIONAL STANDARD

ISO
16321-2

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Eye and face protection for occupational use —

Part 2: Additional requirements for protectors used during welding and related techniques

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Protection des yeux et du visage à usage professionnel —

*Partie 2: Exigences complémentaires relatives aux protecteurs utilisés
pour le soudage et les techniques connexes*

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