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Protective equipment for use in ice hockey - Part 2: Head protectors for skaters (ISO 10256-2:2024)

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/25

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EN ISO 10256-2

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Supersedes EN ISO 10256-2:2018

English Version

**Protective equipment for use in ice hockey - Part 2: Head
protectors for skaters (ISO 10256-2:2024)**

Équipements de protection destinés à être utilisés en
hockey sur glace - Partie 2: Protections de tête pour les
patineurs (ISO 10256-2:2024)

Schutzrüstung zum Gebrauch beim Eishockey - Teil
2: Kopfschutz für Eisläufer (ISO 10256-2:2024)

This European Standard was approved by CEN on 14 July 2024.

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

EN ISO 10256-2:2024 (E)

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European foreword

This document (EN ISO 10256-2:2024) has been prepared by Technical Committee ISO/TC 83 "Sports and other recreational facilities and equipment" in collaboration with Technical Committee CEN/TC 158 "Head protection" the secretariat of which is held by SIS.

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of an identical text or by endorsement, at the latest by June 2025, and conflicting national standards shall be withdrawn at the latest by June 2025.

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 10256-2:2018.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, 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 website.

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, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 10256-2:2024 has been approved by CEN as EN ISO 10256-2:2024 without any modification.

EN ISO 10256-2:2024 (E)**Annex ZA**
(informative)**Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment aimed to be covered**

This European Standard has been prepared under a Commission's standardization request "M/571/C(2020) 7924 final" to provide one voluntary means of conforming to essential requirements of Annex II of Regulation (EU) 2016/425 of European Parliament and of the Council of 9 March 2016 on personal protective equipment.

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

Table ZA.1 — Correspondence between this European Standard and Regulation (EU) 2016/425

Essential Requirements of Regulation (EU) 2016/425	Clause(s)/subclause (s) of this EN	Remarks/Notes
1.1.1. Ergonomics	4.1	
1.1.2.1. Optimum level of protection	4.1	
1.2.1. Absence of inherent risks and other nuisance factors	4.1, 4.2.1	
1.2.1.1. Suitable constituent materials	4.2.1	
1.2.1.2. Satisfactory surface condition of all PPE parts in contact with the user	4.2.2	
1.2.1.3. Maximum permissible user impediment	4.6, 4.4.2, 4.4.3	
1.3.1. Adaptation of PPE to user morphology	4.1, 4.8.1	
1.4. Manufacturer's instructions and information	7, 8	
2.1. PPE incorporating adjustment systems	4.8.1	
2.2. PPE enclosing the parts of the body to be protected	4.4.3	
2.4. PPE subject to ageing	7, 8	
2.8. PPE for intervention in very dangerous situations		Not covered in this part
2.12. PPE bearing one or more identification or recognition marks directly or indirectly relating to health and safety	4.3, 7	
3.1.1. Impact caused by falling or ejected objects and collisions of parts of the body with an obstacle	4.7	

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.

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



International Standard

ISO 10256-2

Protective equipment for use in ice hockey —

Part 2: Head protectors for skaters

*Équipements de protection destinés à être utilisés en hockey
sur glace —*

Partie 2: Protections de tête pour les patineurs

**Second edition
2024-07**

ISO 10256-2:2024(en)



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ISO 10256-2:2024(en)**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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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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 83, *Sports and other recreational facilities and equipment*, Subcommittee SC 5, *Ice hockey equipment and facilities*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 158, *Head protection*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 10256-2:2016), which has been technically revised.

The main changes are as follows:

- [Clause 1](#) has been simplified by removing the list of requirements and test methods;
- [Clause 3](#) has been edited and re-ordered with new definitions added;
- [Clause 4](#) has been re-ordered and re-numbered to be aligned with the clauses in ISO 10256-1:2024;
- in [4.6](#) tolerances have been added; the measurement methodology has been changed to align with EN 13087-6:2012 and the requirement has been changed to align with other European protector standards;
- samples are now given in [Table 1](#); a sentence has been added in [5.1.2.1](#) to clarify that head protectors are to be tested without face or eye protectors;
- in [5.1.3](#), conditioning temperatures have been aligned with ISO 10256-1:2024, Clause 7;
- [5.2](#), [5.3](#) and [5.4](#) have been updated to include test procedures;
- apparatus for shock absorption testing has been moved to [Annex A](#) and [A.7.3](#) has been edited to clarify the system verification procedure;
- [Table 1](#) has been revised to include additional tests;
- [Figure 6](#) has been redrawn to include tolerances.

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A list of all parts in the ISO 10256 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.

ISO 10256-2:2024(en)

Introduction

Ice hockey is a high-speed, collision sport in which there is a risk of injury.

By playing this sport, participants accept the risk of serious injury, paralysis and/or death.

The intention of head protectors used in ice hockey is to reduce the frequency and severity of injuries to the head by distributing and dampening the force from impacts against the head protector and by counteracting penetration of objects.

Protective equipment for use in ice hockey —

Part 2: Head protectors for skaters

1 Scope

This document specifies performance requirements and test methods for head protectors for use in ice hockey.

This document is applicable to head protectors worn by ice hockey players excluding goalkeepers and by referees.

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 6487:2015, *Road vehicles — Measurement techniques in impact tests — Instrumentation*

ISO 10256-1:2024, *Protective equipment for use in ice hockey — Part 1: General requirements*

EN 960:2006, *Headforms for use in the testing of protective helmets*

EN 13087-6:2012, *Protective helmets — Test methods — Part 6: Field of vision*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN