



SLOVENSKI STANDARD
oSIST prEN ISO 10256-1:2022
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Varovalna oprema za uporabo pri hokeju na ledu - 1. del: Splošne zahteve (ISO/DIS 10256-1:2021)

Protective equipment for use in ice hockey - Part 1: General requirements (ISO/DIS 10256-1:2021)

Schutzausrüstung zum Gebrauch beim Eishockey - Teil 1: Allgemeine Anforderungen (ISO/DIS 10256-1:2021)

Équipements de protection destinés à être utilisés en hockey sur glace - Partie 1: Exigences générales (ISO/DIS 10256-1:2021)

Ta slovenski standard je istoveten z: [oSIST prEN ISO 10256-1:2022](https://standards.iteh.ai/catalog/standards/sist/146fd89e-6d87-46fa-bfec-c62080901e90/osist-pren-iso-10256-1-2022) prEN ISO 10256-1

ICS:

13.340.20	Varovalna oprema za glavo	Head protective equipment
97.220.20	Oprema za zimske športe	Winter sports equipment

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Protective equipment for use in ice hockey —

Part 1: General requirements

ICS: 13.340.20; 97.220.20

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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 83, *Sports and other recreational facilities and equipment*, Subcommittee SC 5, *Ice hockey equipment and facilities*.

This second edition cancels and replaces the first edition (ISO 10256-1:2016), which has been technically revised.

The main changes compared to the previous edition are as follows:

- Revised [Clause 4](#) and added corresponding test methods.

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.

European foreword

This document (ISO 10256-1:202x) has been prepared by Technical Committee ISO/TC 83, “Sports and other recreational facilities and equipment” /SC 5 “Ice hockey equipment and facilities” 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 Month 202x, and conflicting national standards shall be withdrawn at the latest by Month 202x.

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.

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 10256-1:202x has been approved by CEN as ISO 10256-1:202x without any modification.

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Introduction

Ice hockey is a high speed, collision sport in which there is a risk of injury. The objective of ISO 10256-1:202x is to specify general requirements and to serve as the basis for collateral ice hockey protector standards, considering the risks inherent in participating in the sport, many of which cannot be eliminated by protective equipment. By playing this sport, participants accept the risk of serious injury, paralysis and/or death.

The intention of protective equipment for use in ice hockey is to reduce the frequency and severity of localized injuries to that part of the body for which the protector is intended. The protective function is intended to distribute and dampen the force of impact and to counteract the penetration of objects applied to the protector, and in the case of neck protectors, reduce the risk of lacerations. To achieve the performance of which it is capable, and to ensure stability while worn, the protective equipment needs to be as closely fitting as possible, consistent with comfort. In use, it is essential that protectors are securely fastened, properly fitted and adjusted according to manufacturer's instructions.

Subcommittee 5 is aware that specifications for the performance of protective equipment are required to reduce the risk of injury in ice hockey. A goal of the subcommittee is to promote the use of better materials and/or constructions as they become available to meet the future requirements of the sport of ice hockey. Subcommittee 5 is also aware that to provide for comfort, correct fitting and use, and in accordance with Regulation (EU) 2016/425, protective equipment intended for ice hockey need to be as light as practicable while providing appropriate performance characteristics that meet the demands of the sport. Proper education in the proper use and fitting of protective equipment is critical to its performance. Proper enforcement of the rules of play and consistent officiating are also essential for best performance of the protective equipment in reducing the risk of injury.

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Protective equipment for use in ice hockey —

Part 1: General requirements

1 Scope

ISO 10256-1:202x specifies general requirements and test methods for head, face, neck and body protectors (hereafter referred to as protectors) for use in ice hockey and is intended to be used in conjunction with other collateral standards in the ISO 10256 series.

ISO 10256-1:202x is intended only for protectors used for ice hockey. Requirements are given for the following:

- a) terms and definitions;
- b) materials and construction;
- c) tolerances;
- d) conditioning;
- e) test report;
- f) markings; and
- g) information for users.

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In the ISO 10256 series, collateral standards specify performance requirements for protectors for use in ice hockey and are intended to be used in conjunction with this part of ISO 10256.

NOTE 1 The requirements of a clause take precedence over a figure.

NOTE 2 The intent is to reduce the risk of injury to an ice hockey player without compromising the form or appeal of the game. These standards presume that the rules of play for ice hockey will be followed by players and enforced by officials.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions 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 <https://www.electropedia.org/>

3.1

horizontal plane

plane that passes across the body at right angles to both the median plane (3.2) and mid-frontal (3.5)

Note 1 to entry: See [Figure 1](#).

ISO/DIS 10256-1:2021(E)**3.2****median plane**

vertical plane that passes through the headform from front to back and divides the headform into right and left halves

Note 1 to entry: See [Figure 1](#).

3.3**basic plane of the human head**

plane that is located at the level of the external upper borders of the ear canal (external auditory meatus) and the inferior margins of the orbits of the eyes

Note 1 to entry: See [Figure 1](#).

3.4**basic plane of the headform**

plane relative to the headform that corresponds to the basic plane of the human [head \(3.3\)](#)

Note 1 to entry: See [Figure 1](#).

3.5**mid-frontal plane**

vertical plane that is perpendicular to the median plane ([3.2](#)) and the reference plane ([3.6](#)), and located mid-way between the front and rear extremities of the headform at the reference plane

Note 1 to entry: See [Figure 1](#).

3.6**reference plane**

construction plane parallel to the basic plane of the headform ([3.4](#)) at a distance from which it is a function of the size of the headform

Note 1 to entry: See [Figure 1](#).

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4 Requirements**4.1 Materials**

Construction materials and incorporated substances shall be compatible with each other.

All materials shall not harm those coming into contact with them.

All materials used in the manufacture of protectors shall be known to be unaffected by ordinary household soap, cleaners recommended by the manufacturer, and sweat.

All materials shall be resistant to irreversible polymeric changes when exposed to temperatures up to 70°C.

The above material requirements can be verified by a written statement provided in documents supplied by the manufacturer to the test house. See [5.1](#).

4.2 Construction

The protector shall not be designed and manufactured with hard or sharp edges, seams, buckles or other items on the surfaces of the products that could harm the user or other players during normal use, including any fastening system. Inspection shall be made in accordance with [5.2](#).