



SLOVENSKI STANDARD
oSIST prEN ISO 10256-4:2022
01-januar-2022

Varovalna oprema za uporabo pri hokeju na ledu - 4. del: Zaščita glave in obraza za vratarje (ISO/DIS 10256-4:2021)

Protective equipment for use in ice hockey - Part 4: Head and face protection for goalkeepers (ISO/DIS 10256-4:2021)

Schutzausrüstung zum Gebrauch beim Eishockey - Teil 4: Kopf- und Gesichtsschutz für Torhüter (ISO/DIS 10256-4:2021)

Équipements de protection destinés à être utilisés en hockey sur glace - Partie 4: Protections de tête et de visage pour les gardiens de but (ISO/DIS 10256-4:2021)

Ta slovenski standard je istoveten z: [oSIST prEN ISO 10256-4:2022](https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022) prEN ISO 10256-4

ICS:

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

oSIST prEN ISO 10256-4:2022 **en,fr,de**

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

[oSIST prEN ISO 10256-4:2022](https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022)

<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>

DRAFT INTERNATIONAL STANDARD

ISO/DIS 10256-4

ISO/TC 83/SC 5

Secretariat: SCC

Voting begins on:
2021-11-16

Voting terminates on:
2022-02-08

Protective equipment for use in ice hockey —

Part 4: Head and face protection for goalkeepers

ICS: 97.220.20; 13.340.20

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

[oSIST prEN ISO 10256-4:2022
https://standards.iteh.ai/catalog/standards/sist/d8acd90e-
e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-
2022](https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022)

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/CEN PARALLEL PROCESSING



Reference number
ISO/DIS 10256-4:2021(E)

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

oSIST prEN ISO 10256-4:2022

<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Contents

| | Page |
|---|----------|
| Foreword..... | v |
| European foreword..... | vi |
| Introduction..... | vii |
| 1 Scope..... | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions..... | 1 |
| 4 Requirements..... | 2 |
| 4.1 Materials and construction..... | 2 |
| 4.1.1 General..... | 2 |
| 4.1.2 Types of goalkeeper head and face protectors..... | 2 |
| 4.2 Design..... | 2 |
| 4.2.1 Welded wire component..... | 2 |
| 4.2.2 Obstruction of vision..... | 2 |
| 4.2.3 Airway access..... | 3 |
| 4.2.4 Overlap..... | 3 |
| 4.2.5 Maximum distance (headform to face protector)..... | 3 |
| 4.2.6 Minimum load bearing area..... | 3 |
| 4.3 Protected area..... | 3 |
| 4.3.1 Protected area of the head..... | 3 |
| 4.3.2 Protected area of the face..... | 3 |
| 4.4 Penetration (test blade/disk)..... | 3 |
| 4.4.1 General..... | 3 |
| 4.4.2 Type D1..... | 3 |
| 4.4.3 Type D3..... | 3 |
| 4.5 Shock-absorbing capacity..... | 3 |
| 4.6 Puck impact resistance..... | 4 |
| 4.6.1 Contact test..... | 4 |
| 4.6.2 Toughness test..... | 4 |
| 4.7 Retention system..... | 4 |
| 4.8 Field of vision..... | 4 |
| 5 Test methods..... | 5 |
| 5.1 General..... | 5 |
| 5.1.1 Tolerances..... | 5 |
| 5.1.2 Samples..... | 5 |
| 5.1.3 Complete goalkeeper protector assembled from separate head and face protectors..... | 5 |
| 5.2 Conditioning..... | 5 |
| 5.3 Goalkeeper protector positioning..... | 5 |
| 5.3.1 Helmet-positioning index (HPI)..... | 5 |
| 5.3.2 Placing and adjusting goalkeeper protector..... | 5 |
| 5.4 Protected area (coverage) test..... | 5 |
| 5.4.1 Protected area of the head..... | 5 |
| 5.4.2 Protected area of the face..... | 5 |
| 5.5 Penetration test..... | 6 |
| 5.5.1 General..... | 6 |
| 5.5.2 Penetration test over the protected area of the head..... | 6 |
| 5.5.3 Penetration test over the protected area of the face..... | 6 |
| 5.6 Shock absorbing capacity test..... | 6 |
| 5.7 Puck impact resistance test..... | 6 |
| 5.8 Retention system..... | 6 |
| 5.9 Field of vision..... | 7 |
| 6 Test report..... | 7 |

ISO/DIS 10256-4:2021(E)

| | | |
|---|--|-----------|
| 7 | Markings..... | 7 |
| 8 | Information for users..... | 7 |
| | ANNEX ZA (informative) Relationship between this European Standard and the essential requirements of Annex II 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, | 13 |

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

[oSIST prEN ISO 10256-4:2022](https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022)
<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>

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, which has been technically revised, cancels and replaces the first edition (ISO 10256-4:2016).

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

- Definitions were updated and reordered to reflect their location in the document.
- [Clauses 4.1, 4.2, 4.3, 4.4, 5.1.2](#) and [5.4](#) were updated.
- Type D2 goalkeeper head and face protector was removed in [Clause 4.1.2](#).
- [Table 1](#) was revised to include additional tests.
- [Annex ZA](#) was revised.

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/DIS 10256-4:2021(E)

European foreword

This document (ISO 10256-4:202x) 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.

This document has been prepared under a standardization request (M/571) given to CEN by the European Commission and the European Free Trade Association and supports essential requirements of Regulation (EU) 2016/425.

For the relationship with EU Regulation, see informative [Annex ZA](#), which is an integral part of this document.

In accordance with 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.

**ITeH STANDARD
PREVIEW
(standards.iteh.ai)**

Endorsement notice

The text of ISO 10256-4:202x has been approved by CEN as ISO 10256-4:202x without any modification.

[oSIST prEN ISO 10256-4:2022](#)

<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>

Introduction

Ice hockey is a high speed, collision sport in which there is a risk of injury. The objective of ISO 10256-4:202x is to specify requirements for head and face protectors to be used by ice hockey goalkeepers, 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, or death.

This standard was developed to address the unique demands and hazards associated with the position of ice hockey goalkeeper. Two types of goalkeeper head and face protectors are designated. Performance requirements were determined after consideration of the state of the art of head and face protective design and manufacture

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN ISO 10256-4:2022](https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022)

<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

oSIST prEN ISO 10256-4:2022

<https://standards.iteh.ai/catalog/standards/sist/d8acd90e-e5e9-45d4-bbe4-dd546632fbcf/osist-pren-iso-10256-4-2022>

Protective equipment for use in ice hockey —

Part 4: Head and face protection for goalkeepers

1 Scope

ISO 10256-4:202x specifies performance requirements and test methods for head and face protectors for use by ice hockey goalkeepers. It is intended to be used in conjunction with ISO 10256-1:202x, ISO 10256-2:202x, and ISO 10256-3:202x.

Requirements and the corresponding test methods, where appropriate, are given for the following:

- a) materials and construction;
- b) design;
- c) protected areas (coverage);
- d) penetration resistance (test blade/disk);
- e) shock absorbing capacity;
- f) puck impact resistance;
- g) retention system properties;
- h) field of vision;
- i) test report;
- j) markings; and
- k) information for users.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10256-1:202x, *Protective equipment for use in ice hockey—Part 1: General requirements*

ISO 10256-2:202x, *Protective equipment for use in ice hockey—Part 2: Head protection for skaters*

ISO 10256-3:202x, *Protective equipment for use in ice hockey—Part 3: Face protectors for skaters*

CSA Z262.6-14, *Specifications for Facially Featured Headforms*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10256-1:202x, ISO 10256-2:202x, ISO 10256-3:202x and the following apply.