

# INTERNATIONAL STANDARD

**ISO**  
**10256**

First edition  
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## **Protective helmets for ice hockey players**

*Casques protecteurs pour joueurs de hockey sur glace*



Reference number  
ISO 10256:1996(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.

Draft International Standards adopted by technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 10256 was prepared by Technical Committee ISO/TC 83, *Sports and recreational equipment*, Subcommittee SC 5, *Ice hockey equipment and facilities*.

It is the first International Standard for ice hockey helmets, and therefore, neither cancels nor supersedes any previous documents. It was developed primarily from ice hockey helmet standards previously published by the American Society of Testing and Materials (ASTM), the Canadian Standards Association (CSA) and the Swedish Ice Hockey Association (SIF).

Annex A forms an integral part of this International Standard. Annex B is for information only.

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# Protective helmets for ice hockey players

## 1 Scope

This International Standard specifies the materials, assembly, area of coverage, sizing, impact and penetration requirements for protective helmets for ice hockey players. In addition, it specifies the test apparatus and test procedures for the helmets and the chin and/or neck straps.

This International Standard is applicable to performance requirements for helmets to protect ice hockey players from the hazards encountered while playing the game of ice hockey and defines the areas of the head to be protected. It covers shock-attenuating properties of the complete helmet, penetration of objects to the head, strength and elongation of the chin strap and/or neck strap and of its attachment, requirements for the construction and finish of helmets and for the materials to be used in the manufacture of the helmet. Labelling and marking requirements are also included.

The intent of this International Standard is to reduce the risk of injury to the head without compromising the form or appeal of the game.

**Note:** *Hockey is a collision sport in which there is a risk of injury. This International Standard is intended only for ice hockey helmets and not for helmets for other activities. Ice hockey helmets afford no protection from neck or spinal injury. Severe head, brain or spinal injuries, including paralysis or death, may occur in spite of using an ice hockey helmet in accordance with this International Standard.*

Annex A details test equipment and procedures when using a monorail or a free-fall drop assembly. The user of this International Standard is provided with the option of selecting the test methodology using

the monorail drop assembly or the test methodology using the free fall assembly.

Annex B is informative only and is included in order to facilitate the procurement of the appropriate test equipment by certification laboratories throughout the world desiring to certify ice hockey helmets for international competitions.

This International Standard complements ISO 10257.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 6487:1987, *Road vehicles — Measurement techniques in impact tests — Instrumentation*.

ISO 10257: 1996, *Face protectors and visors for ice hockey players*.

ISO Guide 25: 1990, *General requirements for the competence of calibration and testing laboratories*.

EN 960: 1994, *Headforms for use in the testing of protective helmets*.