



Standard Specification for Throat Protective Equipment for Hockey Goaltenders¹

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1. Scope

1.1 This specification covers performance requirements and test methods for throat protectors marketed, sold, and intended for ice hockey goalkeepers.

1.2 The intent of this specification is to reduce the risk of injury to the throat without compromising the form or appeal of the game. To do so, the protector shall be used:

1.2.1 As intended within the rules of the game and

1.2.2 In accordance with the manufacturer's instructions.

1.3 Ice hockey is a sport with intrinsic hazards associated with the normal conduct of the game. Participation in ice hockey implies the acceptance of some risk of injury. Use of a throat protector certified to this specification will not prevent all injuries.

1.4 This specification has been prepared after careful consideration of the frequency and mechanisms associated with throat injuries that can potentially occur within the rules of the game of ice hockey.

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

1.5.1 Construction,

1.5.2 Puck impact resistance,

1.5.3 Coverage,

1.5.4 Marking and information.

1.6 Throat protection is intended for use by goalkeepers.

1.7 Use of the singular does not exclude the plural (and vice versa) when the sense allows.

1.8 Although the intended primary application of this specification is stated in this scope, note that it remains the responsibility of the users of this specification to judge its suitability for their particular purpose.

1.9 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.10 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

D2240 Test Method for Rubber Property—Durometer Hardness

2.2 *CSA Standards:*³

CSA Z262.6 Specifications for facially featured headforms

3. Terminology

3.1 *Definitions:*

3.1.1 *chip, n*—readily visible particle missing from the protector with an area bigger than 9mm².

3.1.2 *combination, n*—combined unit of a throat protector placed or attached on a hockey goaltender mask with which it is designed to be used.

3.1.3 *helmet positioning index, HPI, n*—vertical distance measured at the median plane, from the front edge of the goalie mask shell to the basic plane, when the goalie mask is placed on the reference headform.

3.1.4 *impact sites for testing throat protectors, n*—

3.1.4.1 *direct impact, n*—point in the intersection between the horizontal plane and the median plane in the direction of the center of the throat protector mid-point between top edge and bottom edge of the throat protector.

3.1.4.2 *25° impact, n*—point in the horizontal plane, 25° to the median plane, and in the direction of the axis formed by the intersection of the median plane and the frontal plane (see Fig. 1), aimed in the direction of the throat protector mid-point between top edge and bottom edge of the throat protector.

3.1.5 *permanent, n*—information that remains legible and cannot be removed in its entirety under conditions of normal use.

¹ This specification is under the jurisdiction of ASTM Committee F08 on Sports Equipment, Playing Surfaces, and Facilities and is the direct responsibility of Subcommittee F08.15 on Ice Hockey.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from Canadian Standards Association (CSA), 178 Rexdale Blvd., Toronto, ON M9W 1R3, Canada, <http://www.csagroup.org>.