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IRISH STANDARD

I.S. EN 13546:2002+A1:2007

ICS 13.340.10

PROTECTIVE CLOTHING - HAND, ARM, CHEST, ABDOMEN, LEG, FOOT AND GENITAL PROTECTORS FOR FIELD HOCKEY GOAL KEEPERS, AND SHIN PROTECTORS FOR FIELD PLAYERS - REQUIREMENTS AND TEST METHODS

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland
Tel: +353 1 807 3800
Fax: +353 1 807 3838
http://www.nsai.ie

Sales
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This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:
11 July 2007

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13546:2002+A1

June 2007

ICS 13.340.10

Supersedes EN 13546:2002

English Version

Protective clothing - Hand, arm, chest, abdomen, leg, foot and genital protectors for field hockey goal keepers, and shin protectors for field players - Requirements and test methods

Vêtements de protection - Protége- mains et bras, plastrons, protection abdominale, guêtres, sabots et coquilles de gardiens de but de hockey sur gazon et protège-tibias de joueurs - Exigences et méthodes d'essai

Schutzkleidung - Hand-, Arm-, Brustkorb-, Unterleibs-, Bein-, Fuss- und Genitalschützer für Feldhockey-Torwarte und Schienbeinschützer für Feldhockey-Spieler - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 25 March 2002 and includes Amendment 1 approved by CEN on 10 May 2007.

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Foreword

This document (EN 13546:2002+A1:2007) has been prepared by Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets", the secretariat of which is held by DIN.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2007 and conflicting national standards shall be withdrawn at the latest by December 2007.

This document includes Amendment 1, approved by CEN on 2007-05-10.

This document supersedes EN 13546:2002.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ▌A1⟩ ⟨A1▌.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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Introduction

Protective equipment is worn on the shins by most field hockey players to reduce the severity of injuries from accidental impacts by the hockey ball, hockey sticks and other players. Goalkeepers' more extensive protective equipment is designed to be both playing equipment to stop the ball entering the goal and to return it into play in a controlled manner, and also to be protective equipment which reduces the severity of injuries from accidental impacts by the hockey ball, hockey sticks and other players on parts of the goal-keepers' body not normally used for playing the ball. Impacts on the playing surfaces of the goal-keepers' equipment may be considered deliberate as they are part of the way the game is played. Such playing surfaces should have protection behind them that as far as possible eliminates the risk of injury in normal play at the level of competition for which the products are designed.

Genital protectors are worn by some adult players to protect against hockey ball impacts. Similar products are used in other ball sports such as cricket and lacrosse, but these will not be appropriate for field hockey unless tested to the same or greater severity than is required in this standard.

It has been assumed in the drafting of this standard that the execution of its provisions is entrusted to appropriately qualified and experienced people, for whose guidance it has been prepared. The apparatus described should only be used by competent persons and requires safeguards to prevent, as far as is reasonably practicable, injury to the operator and other persons.

This standard does not cover helmets, face masks and throat protection.

[A1] The impact energies for shin protectors to be used to test different performance levels of equipment as specified in Table 17 have been modified to encompass ergonomic requirements like comfort and mass for field hockey players.

It also reflects experience of test laboratories and manufacturers. [A1]

1 Scope

This standard specifies the general requirements for the ergonomics, performance, innocuousness, sizing and coverage of field hockey goal keepers' equipment, providing protection to the hands, arms, chest, abdomen, legs, feet and genitals, and field players' shin protectors. Requirements for the marking of equipment and the information to be supplied by the manufacturer are given. Test methods are described and performance levels are defined.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 1082-1:1996, *Protective clothing — Gloves and arm guards protecting against cuts and stabs by hand knives — Part 1: Chain mail gloves and arm guards.*

ISO 3758, *Care labelling code using symbols.*

ISO 8559:1989, *Garment construction and anthropometric surveys — Body dimensions.*

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