

Specification for helmets for equestrian activities

The European Standard EN 1384:1996, with the incorporation of
A1:2001, has the status of a British Standard

ICS 13.340.20; 97.220.40

Confirmed February 2008

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PH/6, Head protection, upon which the following bodies were represented:

- Department of Transport (Transport Research Laboratory)
- Fire Brigades' Union
- Headway National Head Injuries Association
- Health and Safety Executive
- Institution of Mechanical Engineers
- Ministry of Defence
- Royal National Life-boat Institution
- Safety Equipment Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Association of British Riding Schools
- British Equestrian Trade Association
- British Horse Society
- British Safety Industry Federation
- British Show Jumping Association
- Consumer Policy Committee of BSI
- Jockey Club
- Jockeys' Association of Great Britain
- Mark Davies Injured Riders' Fund
- Medical Equestrian Association
- Pony Club
- Royal College of Surgeons of England
- University of Birmingham

This British Standard, having been prepared under the direction of the Health and Environment Sector Board, was published under the authority of the Standards Board and comes into effect on 15 January 1997

Amendments issued since publication

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National foreword

This British Standard has been prepared by Technical Committee PH/6 and is the English language version of EN 1384:1996, *Helmets for equestrian activities*, including amendment A1:2001, published by the European Committee for Standardization (CEN). It supersedes BS 4472:1988 and BS 6473:1984, which are withdrawn.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 17 and a back cover.

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English version

Helmets for equestrian activities

(includes amendment A1:2001)

Casques de protection pour sports hippiques
(inclut l'amendement A1:2001)

Schutzhelme für reiterliche Aktivitäten
(enthält Änderung A1:2001)

This European Standard was approved by CEN on 1996-08-30. Amendment A1:2001 was approved by CEN on 2001-09-24. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 158, Head protection, the secretariat of which is held by BSI.

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 March 1997, and conflicting national standards shall be withdrawn at the latest by March 1997.

This European Standard 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 standard.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Foreword to amendment A1

This amendment EN 1384:1996/A1:2001 to the EN 1384:1996 has been prepared by Technical Committee CEN/TC 158, Head protection, the Secretariat of which is held by BSI.

This amendment to the European Standard EN 1384:1996 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

This amendment to the European Standard EN 1384:1996 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).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Introduction

The protection given by a helmet depends on the circumstances of the accident and wearing a helmet cannot always prevent death or long-term disability.

1 Scope

This European Standard specifies requirements for protective helmets, that may or may not have a peak, for people involved in equestrian activities.

It gives safety requirements that include methods of test and levels of performance for shock absorption, for resistance to penetration and for the strength and effectiveness of the retention system and the deflection of a peak if fitted.

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.

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

ISO 4892-1:1994, *Plastics — Methods of exposure to laboratory light sources. Part 1: General guidance*.

ISO 4892-2:1994, *Plastics — Methods of exposure to laboratory light sources. Part 2: Xenon-arc sources*.

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

3 Definitions

For the purposes of this European Standard, the following definitions apply.

3.1

shell

the material that provides the hard outer case of the helmet

3.2

protective padding (liner)

padding material provided to absorb impact energy

3.3

comfort padding or size padding

padding material provided to ensure comfortable and correct fit

3.4

cradle

the headband or other head fitting and those internal parts of the helmet other than the padding, which are in contact with the head

3.5

retention system

the complete assembly by means of which the helmet is maintained in position on the head, including any devices for adjustment of the system or to enhance the wearer's comfort

3.6

draw-lace

a lace used by the wearer for making adjustments to the fit of the cradle on the head

3.7

chin strap

part of the retention system consisting of a strap that passes under the wearer's jaw to keep the helmet in position