

RATSUTAMISKIIVRID

Helmets for equestrian activities

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Helmets for equestrian activities

Casques de protection pour sports hippiques

Schutzhelme für reiterliche Aktivitäten

This European Standard was approved by CEN on 13 February 2017.

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European foreword

This document (EN 1384:2017) 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of an identical text or by endorsement, at the latest by December 2017, and conflicting national standards shall be withdrawn at the latest by December 2017.

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 supersedes EN 1384:2012.

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.

Annex A provides details of significant technical changes between this European Standard and the previous edition, EN 1384:2012.

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Introduction

This standard specifies the requirements for protective headwear for use in equestrian activities. The 2012 version of EN 1384 has been revised based on a mandate from CEN.

The intention of a helmet is to reduce the risk of injury to the skull and part of the head surrounded by the helmet. Wearers need to be made aware that the protection given by a helmet depends on the circumstances of the accident and wearing of a helmet cannot always prevent death or long term disability.

A proportion of the energy of an impact is absorbed by the helmet, thereby reducing the force of the blow sustained by the head. The structure of the helmet may be damaged in absorbing this energy and any helmet that sustains a severe blow should be replaced even if damage is not apparent.

Performance levels and test methods are based upon proven methods of test and technical criteria and enhanced by data from expert sources in the field of head protection.

Specific issues that have been addressed to give improved protection to the user are:

- a) shock absorption including a higher drop height;
- b) field of vision;
- c) lateral deformation;
- d) materials;
- e) area of protection;
- f) additional construction requirements.

1 Scope

This European Standard specifies requirement for protective helmets that can have a peak, for people involved in equestrian activities.

It gives safety requirements that include methods of test and levels. Requirements and the corresponding methods of test are given for the following:

- construction, including field of vision;
- shock absorbing properties;
- resistance to penetration;
- lateral deformation ;
- retention system properties
- deflection of peak (if fitted);
- marking and information;
- use of headforms in accordance with EN 960:2006.

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.

EN 960:2006, *Headforms for use in the testing of protective helmets*

EN 1811, *Reference test method for release of nickel from the post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin*

EN 13087-1:2000, *Protective helmets - Test methods - Part 1: Conditions and conditioning*

EN 13087-2:2012, *Protective helmets - Test methods - Part 2: Shock absorption*

EN 13087-3, *Protective helmets - Test methods - Part 3: Resistance to penetration*

EN 13087-4, *Protective helmets - Test methods - Part 4: Retention system effectiveness*

EN 13087-5, *Protective helmets - Test methods - Part 5: Retention system strength*

EN 13087-6, *Protective helmets - Test methods - Part 6: Field of vision*

EN ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*