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Mountaineering equipment - Rock anchors - Safety requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Mountaineering equipment - Rock anchors - Safety
requirements and test methods

Équipement d'alpinisme et d'escalade - Amarrages
pour rocher - Exigences de sécurité et méthodes
d'essai

Bergsteigerausrüstung - Bohrhaken -
Sicherheitstechnische Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 29 July 2018.

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 CEN-CENELEC Management Centre or to any CEN member.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN 959:2018) has been prepared by Technical Committee CEN/TC 136 "Sports, playground and other recreational facilities and equipment", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 959:2007.

Changes made in comparison with EN 959:2007:

- a) definition for "eye" added;
- b) definition for "connector" added;
- c) classes for rock anchors added in 4.1 "materials" and amendments of 4.1;
- d) amendment of 4.2 "Design" and change of the overall thickness of the border of the eye;
- e) amendment of 5.3.2 "Determination of load-bearing capacity";
- f) amendment of Clause 6 "Marking";
- g) amendment of Clause 7 "Information supplied by the manufacturer";
- h) inclusion of informative Annex C "Stress corrosion cracking of steel anchors";
- i) Annex C "General guidance for placing rock anchors" changed to Annex D;
- j) editorial amendments;
- k) introduction of a new class of rock anchor designed especially for the top of a route for lowering/rappelling.

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

Introduction

The text of this document is based on the former UIAA Standard P (Union Internationale des Associations d'Alpinisme), which has been prepared with international participation.

This document is one of a package of standards for mountaineering equipment, see Annex A.

1 Scope

This document specifies safety requirements and test methods for rock anchors for use in mountaineering including climbing.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1920-3, *Testing of concrete - Part 3: Making and curing test specimens*

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