dr desic Mountaineering equipment - Braking devices - Part 2: Manual braking devices, safety requirements and test methods



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 15151-2:2012 sisaldab	
Euroopa standardi EN 15151-2:2012 ingliskeelset	consists of the English text of the European standard
teksti.	EN 15151-2:2012.
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EUROPEAN STANDARD

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English Version

Mountaineering equipment - Braking devices - Part 2: Manual braking devices, safety requirements and test methods

Equipement d'alpinisme et d'escalade - Dispositifs de freinage - Partie 2: Dispositifs de freinage manuels, exigences de sécurité et méthodes d'essai

Bergsteigerausrüstung - Bremsgeräte - Teil 2: Manuelle Bremsgeräte, sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 30 June 2012.

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Foreword

This document (EN 15151-2:2012) 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of an identical text or by endorsement, at the latest by February 2013, and conflicting national standards shall be withdrawn at the latest by February 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This European Standard EN 15151 "Mountaineering equipment - Braking devices" consists of:

- Part 1: Braking devices with assisted locking, safety requirements and test methods;
- Part 2: Manual braking devices, safety requirements and test methods.

This standard is one of a package of standards for mountaineering equipment (see Annex A).

According to the CEN/CENELEC Internal Regulations, the national standards organisations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies safety requirements and test methods for manual braking devices used in mountaineering, climbing and related activities for belaying and abseiling, with only manual control, to protect against falls from a height.

This European Standard applies to braking devices which are loaded with one person and which use mountaineering ropes according to EN 892. In case of abseiling and lowering down this standard also applies to braking devices, used with low stretch kernmantel ropes according to EN 1891.

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 892, Mountaineering equipment — Dynamic mountaineering ropes — Safety requirements and test methods

EN 1891, Personal protective equipment for the prevention of falls from a height — Low stretch kernmantel ropes

EN 15151-1:2012, Mountaineering equipment — Braking devices — Part 1: braking devices with manually assisted locking, safety requirements and test methods

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

braking device

mechanical device which generates forces on the rope, to oppose movement of the rope through the device

3.2

manual braking device

device controlled by hand force applied to the free end of the rope, that produces a magnified force in the active rope in a continuous and reversible manner, such that when the force in the free end of the rope is reduced to zero, the braking effect becomes negligibly small

3.3

attachment point

any system which is required and intended for the attachment of a connector according to the information supplied by the manufacturer

Note 1 to entry: For information on connectors, see EN 12275 or EN 362.

3.4

function to adjust the friction

inherent characteristic of the device that allows the friction to be changed