



BSI Standards Publication

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

This is a preview of BS EN 892:2012+A3:2023. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 892:2012+A3:2023. It supersedes BS EN 892:2012+A2:2021, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee SW/136/5, Sports, Playground and other Recreational Equipment - Mountaineering Equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

| Date | Text affected |
|------------------|---|
| 31 August 2016 | Implementation of CEN amendment A1:2016 |
| 30 November 2021 | Implementation of CEN amendment A2:2021 |
| 31 July 2023 | Implementation of CEN amendment A3:2023 |

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English Version

Mountaineering equipment - Dynamic mountaineering ropes - Safety requirements and test methods

Équipement d'alpinisme et d'escalade - Cordes dynamiques - Exigences de sécurité et méthodes d'essai

Bergsteigerausrüstung - Dynamische Bergseile - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 3 October 2021 and includes Amendment 1 approved by CEN on 9 June 2016, Amendment 2 approved by CEN on 3 October 2021 and Amendment 3 approved by CEN on 21 December 2022.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 892:2012+A3:2023) 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of an identical text or by endorsement, at the latest by October 2023, and conflicting national standards shall be withdrawn at the latest by October 2023.

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 includes Amendment 1 approved by CEN on 9 June 2016, Amendment 2 approved by CEN on 3 October 2021 and Amendment 3 approved by CEN on 21 December 2022.

This document supersedes ^{A3} EN 892:2012+A2:2021 ^{A3}.

The start and finish of text introduced or altered by amendment is indicated in the text by tags ^{A1} ^{A1}, ^{A2} ^{A2} and ^{A3} ^{A3}.

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

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

The main changes compared to EN 892:2004 are:

- a) editorial changes;
- b) conditioning climate in 5.2 was changed;
- c) dimension of the remaining tape for preparation of the sheath slippage test in 5.4.2 was changed;
- d) allowed slippage of the rope in the drop test in 5.6.3.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

The text is based on UIAA-Standard B (International Mountaineering and Climbing federation), which has been prepared with international participation.

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

1 Scope

This European Standard specifies safety requirements and test methods for dynamic ropes (single, half and twin ropes) in kernmantel construction 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.

A3 EN ISO 6508-1:2016, *Metallic materials — Rockwell hardness test — Part 1: Test method (ISO 6508-1:2016)*

ISO 6487:2015¹, *Road vehicles — Measurement techniques in impact tests — Instrumentation* **A3**

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

dynamic mountaineering rope

rope, which is capable, when used as a component in the safety chain, of arresting the free fall of a person engaged in mountaineering or climbing with a limited peak force

3.2

single rope

dynamic mountaineering rope, capable of being used singly, as a link in the safety chain, to arrest a leader's fall

3.3

half rope

dynamic mountaineering rope, which is capable, when used in pairs, as a link in the safety chain to arrest the leader's fall

Note 1 to entry: See Figure 1.

3.4

twin rope

dynamic mountaineering rope, which is capable, when used in pairs and parallel, as a link in the safety chain to arrest a leader's fall

Note 1 to entry: See Figure 2.

¹ As impacted by ISO 6487:2015/Amd 1:2017.