



BSI Standards Publication

Mountaineering equipment — Individual safety systems for rope courses — Safety requirements and test methods

National foreword

This British Standard is the UK implementation of EN 17109:2020+A1:2024. It supersedes BS EN 17109:2020, which is withdrawn.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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English Version

Mountaineering equipment - Individual safety systems for rope courses - Safety requirements and test methods

Équipement d'alpinisme et d'escalade - Systèmes d'assurance individuels pour parcours acrobatiques en hauteur - Exigences de sécurité et méthodes d'essai

Bergsteigerausrüstung - Einzelsicherungssysteme für Seilgärten - Sicherheitsanforderungen und Prüfverfahren

This European Standard was approved by CEN on 15 December 2019 and includes Amendment 1 approved by CEN on 12 August 2024.

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European foreword

This document (EN 17109:2020+A1:2024) 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of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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 12 August 2024.

This document supersedes EN 17109:2020.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**.

This document has been prepared under a standardisation request addressed to CEN and CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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1 Scope

This document specifies safety requirements and test methods for components of an individual safety system for protection against a fall from height used in permanent and mobile rope courses as defined in A1 EN 15567-1:2015+A1:2020 A1.

The products considered in this A1 document A1 are not intended to limit, by themselves, the deceleration of the fall of the user, as defined in A1 EN 15567-1:2015+A1:2020 A1. For this requirement, it is essential to consider the whole ropes course system.

Safety lines and harnesses are not covered in this A1 document A1.

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.

A1 EN 362:2004, *Personal protective equipment against falls from a height — Connectors* A1

EN 565:2017, *Mountaineering equipment — Tape — Safety requirements and test methods*

EN 12275:2013, *Mountaineering equipment — Connectors — Safety requirements and test methods*

A1 EN 15567-1:2015+A1:2020 A1, *Sports and recreational facilities — Ropes courses — Part 1: Construction and safety requirements*

EN ISO 9227:2017, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227:2017)*

ISO 7000:2004, *Graphical symbols for use on equipment — Registered*

3 Terms and definitions

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

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

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

3.1

ropes course

constructed facility with restricted access and requiring supervision consisting of one or more activity systems, support systems and, if needed, an appropriate safety system

[SOURCE: A1 EN 15567-1:2015+A1:2020 A1, 3.1 modified: Note 1 deleted]

3.2

individual safety system

ISS

component(s) connecting the harness to the safety line for protection against fall from height consisting of mobile connecting device(s), lanyard(s) and a connecting system to the harness which may be supplied as a pre-assembled product, or supplied by one or more manufacturer(s) and may be assembled by a user to make an ISS