

Sikkerhed for kørende forlystelser og forlystelsesudstyr – Del 2: Drift, vedligeholdelse og brug

Safety of amusement rides and amusement devices –
Part 2: Operation, maintenance and use

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Safety of amusement rides and amusement devices - Part 2: Operation, maintenance and use

Sécurité des manèges et des dispositifs
de divertissement - Partie 2 : Installation,
maintenance et exploitation

Sicherheit von Fahrgeschäften und
Vergnügungseinrichtungen - Teil 2: Betrieb,
Instandhaltung und Gebrauch

This European Standard was approved by CEN on 13 May 2018 and includes Amendment 0 approved by CEN on 7 June 2024.

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European foreword

This document ([EN 13814-2:2019+A1:2024](#)) has been prepared by Technical Committee CEN/TC 152 “*Fairground and amusement park machinery and structures – Safety*”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by January 2025, and conflicting national standards shall be withdrawn at the latest by July 2027.

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 7 June 2024.

This document ^{A1} supersedes [EN 13814-2:2019](#) ^{A1}.

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

[EN 13814](#) consists of the following parts, under the general title *Safety of amusement rides and amusement devices*:

- *Part 1: Design and manufacture*
- *Part 2: Operation, maintenance and use*
- *Part 3: Requirements for inspection during design, manufacture, operation and use*

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Safety of amusement rides and amusement devices –

Part 2: Operation, maintenance and use

1 Scope

This document specifies the minimum requirements necessary to ensure the safe maintenance, operation, inspection and testing of amusement ride and amusement devices which are intended to be installed both repeatedly without degradation or loss of integrity, and temporarily or permanently in fairgrounds and amusement parks or any other locations.

Grandstands, construction site installations, scaffolding, removable agricultural structures, simple coin operated children's amusement devices, carrying up to three children, and recreational devices like waterslides or summer toboggan runs, playground equipment, rope courses, climbing wall, inflatable, trampolines, swimming pool equipment (this list is not exhaustive) are not covered by this document.

In terms of workers' health and safety, national regulations apply.

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.

[EN 12385 \(all parts\)](#), *Steel wire ropes — Safety*

[EN 13814-1:2019](#), *Safety of amusement rides and amusement devices — Part 1: Design and Manufacture*

[EN 13814-3:2019](#), *Safety of amusement rides and amusement devices — Part 3: Requirements for inspection during design, manufacture, operation and use*

[EN 60947-3](#), *Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (IEC 60947-3)*

[EN ISO 2307](#), *Fibre ropes – Determination of certain physical and mechanical properties (ISO 2307)*

[EN ISO 9554](#), *Fibre ropes – General specifications (ISO 9554)*

[EN ISO 13857](#), *Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857)*