

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

# Sikkerhed for kørende forlystelser og forlystelsesudstyr – Del 3: Krav til inspektion under konstruktion, fremstilling, drift og brug

Safety of amusement rides and amusement devices – Part 3: Requirements for inspection during design, manufacture, operation and use



**DANSK STANDARD**  
Danish Standards Association

Göteborg Plads 1  
DK-2150 Nordhavn  
Tel: +45 39 96 61 01  
Tel: +45 39 96 61 01  
dansk.standard@ds.dk  
www.ds.dk

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

DS projekt: M300837

ICS: 97.200.40

**Første del af denne publikations betegnelse er:**

**DS/EN, hvilket betyder, at det er en europæisk standard, der har status som dansk standard.**

**Denne publikations overensstemmelse er:**

**IDT med: EN 13814-3:2019**

**DS-publikationen er på engelsk.**

**Denne publikation erstatter: [DS/EN 13814:2005](#)**

---

### **DS-publikationstyper**

Dansk Standard udgiver forskellige publikationstyper.

Typen på denne publikation fremgår af forsiden.

Der kan være tale om:

#### **Dansk standard**

- standard, der er udarbejdet på nationalt niveau, eller som er baseret på et andet lands nationale standard, eller
- standard, der er udarbejdet på internationalt og/eller europæisk niveau, og som har fået status som dansk standard

#### **DS-information**

- publikation, der er udarbejdet på nationalt niveau, og som ikke har opnået status som standard, eller
- publikation, der er udarbejdet på internationalt og/eller europæisk niveau, og som ikke har fået status som standard, fx en teknisk rapport, eller
- europæisk præstandard

#### **DS-håndbog**

- samling af standarder, eventuelt suppleret med informativt materiale

#### **DS-hæfte**

- publikation med informativt materiale

Til disse publikationstyper kan endvidere udgives

- tillæg og rettelsesblade

### **DS-publikationsform**

Publikationstyperne udgives i forskellig form som henholdsvis

- fuldttekstpublikation (publikationen er trykt i sin helhed)
- godkendelsesblad (publikationen leveres i kopi med et trykt DS-omslag)
- elektronisk (publikationen leveres på et elektronisk medie)

### **DS-betegnelse**

Alle DS-publikationers betegnelse begynder med DS efterfulgt af et eller flere præfikser og et nr., fx **DS 383**, **DS/EN 5414** osv. Hvis der efter nr. er angivet et **A** eller **Cor**, betyder det, enten at det er et **tillæg** eller et **rettelsesblad** til hovedstandard, eller at det er indført i hovedstandard.

DS-betegnelse angives på forsiden.

### **Overensstemmelse med anden publikation:**

Overensstemmelse kan enten være IDT, EQV, NEQ eller MOD

- **IDT:** Når publikationen er identisk med en given publikation.
- **EQV:** Når publikationen teknisk er i overensstemmelse med en given publikation, men præsentationen er ændret.
- **NEQ:** Når publikationen teknisk eller præsentationsmæssigt ikke er i overensstemmelse med en given standard, men udarbejdet på baggrund af denne.
- **MOD:** Når publikationen er modificeret i forhold til en given publikation.

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

EUROPÄISCHE NORM

May 2019

ICS 97.200.40

Supersedes EN 13814:2004

English Version

## Safety of amusement rides and amusement devices - Part 3: Requirements for inspection during design, manufacture, operation and use

Sécurité des manèges et des dispositifs  
de divertissement - Partie 3 : Exigences  
relatives à l'inspection pendant la conception,  
fabrication et fonctionnement

Sicherheit von Fahrgeschäften und  
Vergnügungseinrichtungen - Teil 3: Anforderungen  
für die Inspektion während der Konstruktion,  
Herstellung, Betrieb und Nutzung

This European Standard was approved by CEN on 13 May 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.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

## Contents

Page

<b>European foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Terms and definition</b> .....	<b>4</b>
<b>4 Requirements</b> .....	<b>4</b>
4.1 Initial approval - Procedures .....	4
4.1.1 General .....	4
4.1.2 Review of design documents .....	5
4.1.3 Inspection of manufacturing process .....	5
4.2 Pre-use inspection and review – Procedures .....	7
4.3 In-service inspection (periodical test) .....	7
4.3.1 General .....	7
4.3.2 Inspection process .....	7
4.3.3 Electrical equipment .....	9
<b>Bibliography</b> .....	<b>10</b>

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

## European foreword

This document ([EN 13814-3:2019](#)) 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 November 2019, and conflicting national standards shall be withdrawn at the latest by May 2022.

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, together with its first and second parts, supersedes [EN 13814:2004](#).

[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.

This is a preview of "DS/EN 13814-3:2019". [Click here to purchase the full version from the ANSI store.](#)

# Safety of amusement rides and amusement devices –

## Part 3: Requirements for inspection during design, manufacture, operation and use

### 1 Scope

This part of [EN 13814](#) defines requirements for the necessary independent inspections of amusement devices designed, manufactured, operated and used according to [EN 13814-1:2019](#) and [EN 13814-2:2019](#).

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

[EN 13814-2:2019](#), *Safety of amusement rides and amusement devices — Part 2: Operation, maintenance and use*

[EN 60204-1](#), *Safety of machinery - Electrical equipment of machines - Part 1: General requirements*

[EN ISO 9712](#), *Non-destructive testing - Qualification and certification of NDT personnel (ISO 9712:2012)*

[EN ISO/IEC 17020](#), *Conformity assessment — Requirements for the operation of various types of bodies performing inspection (ISO/IEC 17020)*