

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

BS ISO 17842-2:2015



BSI Standards Publication

Safety of amusement rides and amusement devices

Part 2: Operation and use

bsi.

...making excellence a habit.™

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

This British Standard is the UK implementation of ISO 17842-2:2015.

The UK participation in its preparation was entrusted to Technical Committee MCE/3/4, Fairground and amusement park machinery and structures - Safety.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2015.
Published by BSI Standards Limited 2015

ISBN 978 0 580 82080 9

ICS 97.200.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2015.

Amendments/corrigenda issued since publication

| Date | Text affected |
|------|---------------|
|------|---------------|

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

First edition
2015-04-01

Safety of amusement rides and amusement devices —

Part 2: Operation and use

*Sécurité des manèges et des dispositifs de divertissement —
Partie 2: Fonctionnement et utilisation*



Reference number
ISO 17842-2:2015(E)

© ISO 2015

This is a preview of "BS ISO 17842-2:2015". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

Contents

Page

| | |
|---|-----------|
| Foreword | iv |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 2 |
| 4 Operation, maintenance and use of amusement rides and amusement devices | 5 |
| 4.1 Introduction..... | 5 |
| 4.2 Standard documentation..... | 5 |
| 4.3 Duties of the controller..... | 5 |
| 4.3.1 General..... | 5 |
| 4.3.2 Selection and training of staff..... | 6 |
| 4.3.3 Assembly and disassembly..... | 7 |
| 4.3.4 Care of equipment..... | 9 |
| 4.3.5 Trial operations and checks..... | 11 |
| 4.3.6 Operation..... | 12 |
| 4.3.7 Duties for the supervision of the operation..... | 14 |
| 4.3.8 Maintenance (servicing, repair, restoration and modification)..... | 14 |
| 4.4 Duties of the device operator..... | 16 |
| 4.4.1 General requirements..... | 16 |
| 4.4.2 Safe operation..... | 17 |
| 4.5 Duties of the attendant..... | 18 |
| 4.6 Inspection..... | 18 |
| 4.6.1 Annual in-service inspection..... | 18 |
| 4.7 General safety provisions..... | 19 |
| 4.7.1 Means of evacuation and escape..... | 19 |
| 4.7.2 Fire..... | 19 |
| Annex A (informative) Training, qualification and experience for competent persons | 22 |
| Bibliography | 23 |

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 254, *Safety of amusement rides and amusement devices*.

ISO 17842 consists of the following parts, under the general title *Safety of amusement rides and amusement devices*:

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

This is a preview of "BS ISO 17842-2:2015". [Click here to purchase the full version from the ANSI store.](#)

Safety of amusement rides and amusement devices —

Part 2: Operation and use

1 Scope

This part of ISO 17842 specifies the minimum requirements necessary to ensure the safe maintenance, operation, inspection and testing of the following: mobile, temporary or permanently installed machinery and structures, e.g. roundabouts, swings, boats, Ferris wheels, roller coasters, chutes, grandstands, membrane or textile structures, booths, stages, side shows, and structures for artistic aerial displays. The above items, hereafter called *devices*, 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. Fixed grandstands, construction site installations, scaffolding, removable agricultural structures and simple coin operated children's amusement devices, carrying not more than three children, are not covered by this document.

Existing national rules on workers' safety are not concerned by this document.

ISO 17842-3 contains inspection requirements during design, manufacture, operation and use.

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.

ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties*

ISO 5817, *Welding — Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) — Quality levels for imperfections*

ISO 9554, *Fibre ropes — General specifications*

ISO 7001, *Graphical symbols — Public information symbols*

ISO 7010, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

ISO 7165, *Fire fighting — Portable fire extinguishers — Performance and construction*

ISO 13857, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs*

ISO/IEC 17020, *Conformity assessment — Requirements for the operation of various types of bodies performing inspection*

ISO 17842-1, *Safety of amusement rides and amusement devices — Design and manufacture*

ISO 17842-3, *Safety of amusement rides and amusement devices — Requirements for inspection during design, manufacture, operation and use*

ISO/TS 17929, *Biomechanical effects on amusement ride passengers*

IEC 60947-3, *Low-voltage switchgear and controlgear — Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units*