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BSI Standards Publication

Playground equipment and surfacing

Part 3: Additional specific safety requirements and test methods for slides

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National foreword

This British Standard is the UK implementation of EN 1176-3:2017. It supersedes BS EN 1176-3:2008, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/65, Children's playground equipment.

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.

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Amendments/corrigenda issued since publication

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English Version

Playground equipment and surfacing - Part 3: Additional specific safety requirements and test methods for slides

Équipement et sols d'aires de jeux - Partie
3: Exigences de sécurité et méthodes d'essai
complémentaires spécifiques aux toboggans

Spielplatzgeräte und Spielplatzböden - Teil 3:
Zusätzliche besondere sicherheitstechnische
Anforderungen und Prüfverfahren für Rutschen

This European Standard was approved by CEN on 6 August 2016.

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.

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

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European foreword

This document (EN 1176-3:2017) 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 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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 supersedes EN 1176-3:2008.

The main changes are:

- a) definition for wave slide deleted;
- b) revised figure for illustration of the position of the sections of a slide (see [Figure 2](#));
- c) reduction of free height of fall if starting section is easily accessible unless guarding is provided;
- d) maximal length of the initial straight sliding section and of the second sliding section after a bend ([4.4.1](#) and [Annex B](#));
- e) improvement Table 1 – inclination of run-out section for small slides;
- f) reduction of the impact area for Type 1 if sliding section is max. 1 500 mm;
- g) [Figure 5](#) – Application of template to curved profile sliding section – amended;
- h) start of the free space on a slide;
- i) A-deviation for Romania.

This document is part of a series of standards dealing with playground equipment and surfacing which consists of:

- *Part 1: General safety requirements and test methods;*
- *Part 2: Additional specific safety requirements and test methods for swings;*
- *Part 3: Additional specific safety requirements and test methods for slides;*
- *Part 4: Additional specific safety requirements and test methods for cableways;*
- *Part 5: Additional specific safety requirements and test methods for carousels;*
- *Part 6: Additional specific safety requirements and test methods for rocking equipment;*
- *Part 7: Guidance on installation, inspection, maintenance and operation;*
- *Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment;*
- *Part 11: Additional specific safety requirements and test methods for spatial network.*

This part of EN 1176 will be used in conjunction with parts EN 1176-1, EN 1176-7 and EN 1177.

For inflatable play equipment see EN 14960, *Inflatable play equipment — Safety requirements and test methods*.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia,

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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.

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1 Scope

This European Standard specifies additional safety requirements for slides intended for permanent installation for use by children. The aim is to provide protection to the user against possible hazards during use. Where the main play function is not sliding, the relevant requirements in this part of EN 1176 may be used, as appropriate.

This document is not applicable to waterslides, rollerways or slide installations where auxiliary equipment such as mats or sledges are used. This document is not applicable to inclined surfaces that do not contain and guide the user, e.g. banister rails (inclined parallel bars).

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.

EN 1176-1:2017, *Playground equipment and surfacing — Part 1: General safety requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1176-1 and the following apply.

3.1

slide

structure with inclined surface(s) that contains and guides the user sliding in a defined track

NOTE Inclined planes, designed primarily for other purposes, such as roofs, do not constitute slides.

3.2

embankment slide

slide in which the majority of the sliding section follows the contour of the land

NOTE Access to the starting section is usually direct from the mound or via an access ladder or stairs.

3.3

attachment slide

slide for which access to the starting section is possible only by passing via other equipment or parts of equipment

NOTE Such equipment includes climbing nets, bridges, platforms, inclined planes, other climbing devices.

3.4

helical slide

slide where the sliding section follows spirals

NOTE See [Figure 4](#).

3.5

curved slide

slide where the sliding section follows curves

NOTE See [Figure 4](#).

3.6

free-standing slide

slide which is separate from any other piece of equipment with its own means of access from the ground directly to the starting section