

Playground equipment —

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

The European Standard EN 1176-3:1998, with the incorporation of amendment A1:2003, has the status of a British Standard

ICS 97.200.40

National foreword

This British Standard is the official English language version of EN 1176-3:1998, including amendment A1:2003. Together with BS EN 1176-1:1998 and parts 2, 4, 5 and 6, it supersedes BS 5696-1:1986, BS 5696-2:1986, which are withdrawn on 31 December 1998.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1**. 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/65, Children's playground equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European development and promulgate them in the UK.

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

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Summary of pages

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English version

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

(includes amendment A1:2003)

Equipements d'aires de jeux —
Partie 3: Exigences de sécurité et méthodes
d'essai complémentaires spécifiques aux
toboggans
(inclut l'amendement A1:2003)

Spielplatzgeräte —
Teil 3: Zusätzliche besondere
sicherheitstechnische Anforderungen und
Prüfverfahren für Rutschen
(enthält Änderung A1:2003)

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CEN

European Committee for Standardization
Comité Européen de Normalisation
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Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 136, Sports, playground and other recreational 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 February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

This standard consists of a number of parts as follows:

- EN 1176-1, *Playground equipment — Part 1: General safety requirements and test methods*;
- EN 1176-2, *Playground equipment — Part 2: Additional specific safety requirements and test methods for swings*;
- EN 1176-3, *Playground equipment — Part 3: Additional specific safety requirements and test methods for slides*;
- EN 1176-4, *Playground equipment — Part 4: Additional specific safety requirements and test methods for runways*;
- prEN 1176-5, *Playground equipment — Part 5: Additional specific safety requirements and test methods for carousels*;
- EN 1176-6, *Playground equipment — Part 6: Additional specific safety requirements and test methods for rocking equipment*;
- EN 1176-7, *Playground equipment — Part 7: Guidance on installation, inspection, maintenance and operation*.

This standard should not be used in isolation, but in conjunction with EN 1176-1 and EN 1176-7 and EN 1177, *Impact absorbing playground surfacing — Safety requirements and test methods*. It amends and supplements EN 1176-1 and EN 1177.

This standard is intended to reduce the risks that may occur through normal and foreseeable use of slides, without restricting their recreational appeal.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Foreword to amendment A1

This document (EN 1176-3:1998/A1:2003) has been prepared by Technical Committee CEN/TC 136, Sports, playground and other recreational equipment, the Secretariat of which is held by DIN.

This amendment to the European Standard EN 1176-3:1998 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

The purpose of amendment 1 to EN 1176-3:1998 is to modify Clause 4.3.4, 4.3.5, Figure 2a) and 4.6.

With resolution 165, CEN/TC 136 agreed to an amendment 1 to EN 1176-3:1998 using the UAP procedure of 4 months.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard specifies additional safety requirements for slides intended for permanent installation for use by children.

This standard is not applicable to waterslides, rollerways or slide installations where auxiliary equipment such as mats or sledges are used.

2 Normative references

This European Standard incorporates by dated or undated references, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1176-1:1998, *Playground equipment — Part 1: General safety requirements and test methods*.

3 Definitions

For the purposes of this standard, the definitions given in EN 1176-1 apply, together with the following.

3.1

slide

structure with inclined surface(s) on which the user slides in a defined track (see Figure 1)

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

3.2

wave slide

slide with one or more variation(s) in the slope of its sliding section

3.3

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.

3.4

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.

3.5

helical slide; curved slide

slide where the sliding section follows spirals or curves

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

3.7

tunnel slide

slide where the sliding section has an enclosed cross section

3.8

mixed tunnel slide

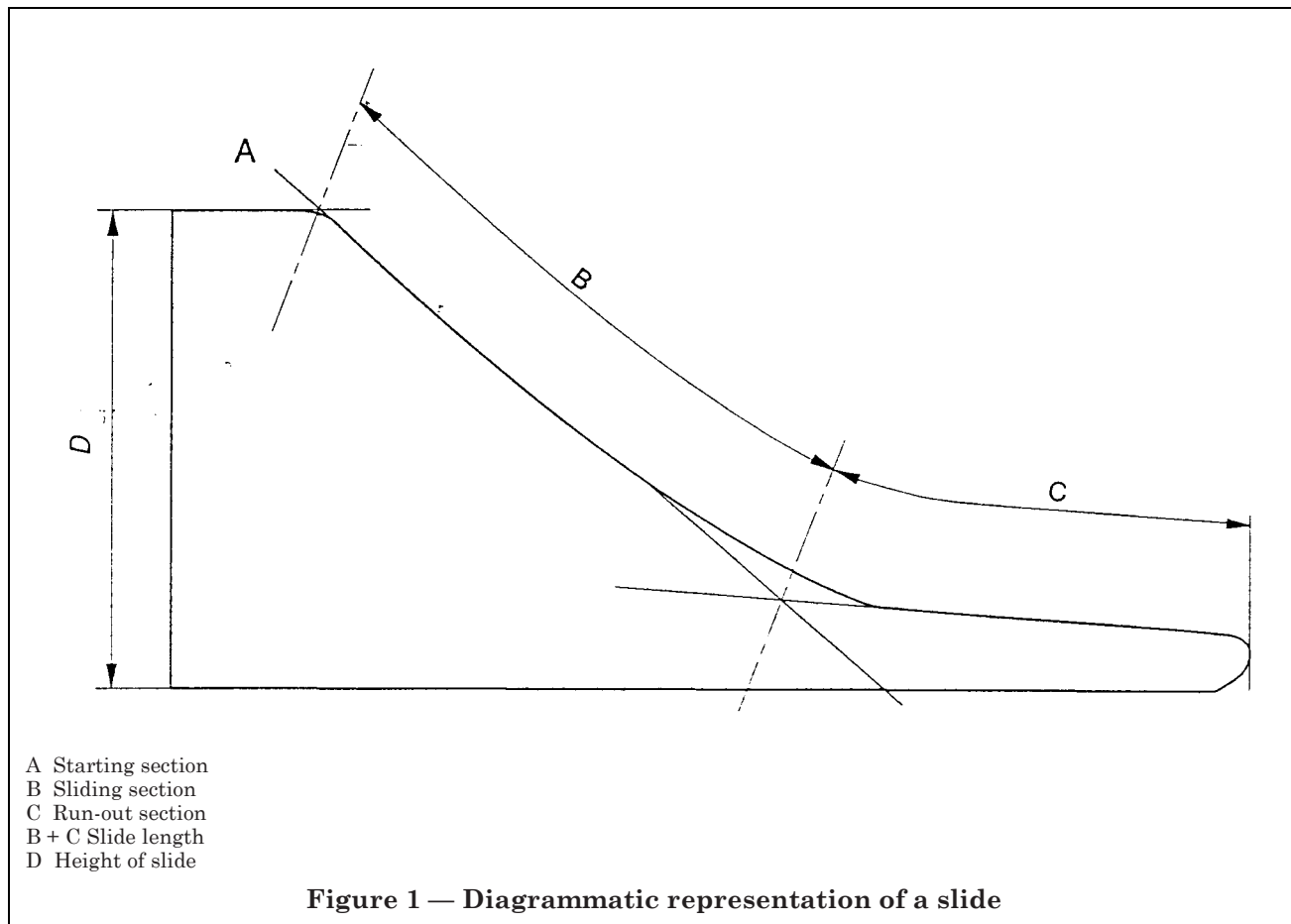
slide for which only the upper section of the sliding section has an enclosed cross section

3.9

starting section

section on which the child is enabled to get into sliding position

NOTE The starting section can be a platform or an extension of a platform of playground equipment.



4 Safety requirements

4.1 General

Slides shall comply with the requirements of EN 1176-1 except in so far as they are modified by this standard.

4.2 Access

Access to the starting section shall be by means of an access ladder, stairs, climbing section or device.

NOTE In the case of embankment slides, access to the starting section may be gained directly from the mound.

For free standing slides, the maximum vertical height that the first stairs can reach without a change in direction or offset by a minimum width of the means of access shall be 2,5 m.

4.3 Starting section

4.3.1 Length and angle

Each slide shall have a starting section of at least 350 mm length. The starting section shall have a downward slope tolerance of 0° to 5° in the direction of the slide length, the measurement being made at the centreline of the starting section.

NOTE For attachment slides the platform may be used as a starting section.

4.3.2 Barriers

If the starting section is more than 400 mm in length, it shall comply with the requirements for platforms as specified in EN 1176-1 and the gap in the barriers shall be the same as the width of the sliding section.