

Playground equipment —

Part 6: Additional specific safety requirements and test methods for rocking equipment

The European Standard EN 1176-6:1998, with the incorporation of amendment A1:2002, has the status of a British Standard

ICS 97.200.40

National foreword

This British Standard is the English language version of EN 1176-6:1998, including amendment A1:2002. Together with BS EN 1176-1:1998 and parts 2 to 5, it supersedes BS 5696-1:1997, BS 5696-1:1986 and BS 5696-2:1986, which are withdrawn on 31 December 1998.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 a 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 developments and promulgate them in the UK.

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

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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English version

Playground equipment — Part 6: Additional specific safety requirements and test methods for rocking equipment

(includes amendment A1:2002)

Equipements d'aires de jeux — Partie 6: Exigences de sécurité et méthodes d'essai complémentaires spécifiques aux équipements oscillants
(inclut l'amendement A1:2002)

Spielplatzgeräte — Teil 6: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Wippengeräte
(enthält Änderung A1:2002)

This European Standard was approved by CEN on 22 July 1998. Amendment A1 was approved by CEN on 16 February 2002.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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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 alone 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.

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

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1 Scope

This standard specifies additional safety requirements for see-saws and rocking equipment intended for permanent installation for use by children.

The aim is to provide protection to the user against possible hazards during use.

NOTE Guidance for assessing the safety of other forms of seesaw/rocking equipment is given in Annex A.

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

rocking equipment; seesaw (hereinafter referred to as equipment)

equipment that can be set in motion by the user and characterized by being supported by a component from below

NOTE 1 The equipment can have one or several seats or stands.

NOTE 2 Figure 1a) shows the principle components for rocking equipment. Figure 1b) shows the principle components for seesaws.

NOTE 3 The seesaw/rocking movement depends on the type and configuration of fixture (see Figure 2, Figure 3, Figure 4 and Figure 5).

3.2

equipment body

main moving part connected to the equipment supporting component(s)

3.3

supporting component

component which connects the equipment body to the anchorage

3.4

anchorage

means by which stability and fixation to the ground/surface is made

3.5

damping

combined effect of the supporting component(s) that moderates the speed at which the equipment can move and the reduction of shock effects at the outer positions of the equipment

NOTE The damping effect can be:

- a) constant, where the effect is constant throughout the entire range of movement; and
- b) varied, where the effect depends on the load on and speed of the equipment.

3.6

range of movement

maximum horizontal and/or vertical deviation of the seat/stand during use (see Figure 1) from the centre point at equilibrium position