Mänguväljaku seadmed. Osa 5: Täiendavad spetsiaalsed ohutusnõuded ja katsemeetodid karussellidele

Playground equipment and surfacing - Part 5:
Additional specific safety requirements and test
methods for carousels



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1176-5:2008 sisaldab Euroopa standardi EN 1176-5:2008 ingliskeelset teksti.

This Estonian standard EVS-EN 1176-5:2008 consists of the English text of the European standard EN 1176-5:2008.

Standard on kinnitatud Eesti Standardikeskuse 21.07.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

This standard is ratified with the order of Estonian Centre for Standardisation dated 21.07.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 28.05.2008.

Date of Availability of the European standard text 28.05.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

The standard is available from Estonian standardisation organisation.

ICS 97.200.40

Võtmesõnad: accident prevention, carousels, characteristics, classifications, communal equipment, load capacity, marking, playgrounds, recreation facilities, safety devices, safety requirements, specifications, stability tests, tensile strength, toys

Standardite reprodutseerimis- ja levitamisõigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonilisse süsteemi või edastamine ükskõik millises vormis või millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kirjaliku loata.

EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1176-5

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ICS 97,200,40

Supersedes EN 1176-5:1998

English Version

Playground equipment and surfacing - Part 5: Additional specific safety requirements and test methods for carousels

Équipements et sols d'aires de jeux - Partie 5 : Exigences de sécurité et méthodes d'essai complémentaires spécifiques aux manèges Spielplatzgeräte und Spielplatzböden - Teil 5: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Karussells

This European Standard was approved by CEN on 25 April 2008.

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 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 Management Centre has the same status as the official versions.

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



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

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Foreword

This document (EN 1176-5:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by May 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1176-5:1998.

This European Standard consists of a number of parts as follows:

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

EN 1176- 2, Playground equipment and surfacing — Part 2: Additional specific safety requirements and test methods for swings

EN 1176- 3, Playground equipment and surfacing — Part 3: Additional specific safety requirements and test methods for slides

EN 1176- 4, Playground equipment and surfacing — Part 4: Additional specific safety requirements and test methods for cableways

EN 1176- 5, Playground equipment and surfacing — Part 5: Additional specific safety requirements and test methods for carousels

EN 1176- 6, Playground equipment and surfacing — Part 6: Additional specific safety requirements and test methods for rocking equipment

EN 1176- 7, Playground equipment and surfacing — Part 7: Guidance on installation, inspection, maintenance and operation

EN 1176-10, Playground equipment and surfacing — Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment

EN 1176-11, Playground equipment and surfacing — Part 11: Additional specific safety requirements and test methods for spatial network

This part of EN 1176 should not be used in isolation, but in conjunction with EN 1176-1, EN 1176-7 and EN 1177.

For inflatable play equipment see:

EN 14960, Inflatable play equipment — Safety requirements and test methods.

The principal changes from the previous edition of this part of EN 1176 are as follows:

a) The requirement for speed of rotation is now limited to those carousels that use mechanical advantage to raise speed, whereas in the previous edition the requirement was generally applicable.

- b) The free space/falling space for type C carousels has been increased and requirements for falling height introduced.
- c) Requirements have been introduced for shock absorbing properties for seats of type A carousels.

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, Cyprus, Czech Republet nertain, ed Kingo. lic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This document is applicable to carousels that are used as playground equipment for children, as defined in 3.1 to 3.6.

This document specifies additional safety requirements for carousels of diameter greater than 500 mm intended for permanent installation for use by children.

This document is not applicable to equipment where the main play function is not rotating.

This document is not applicable to motor-driven carousels, fairground carousels or climbing drums.

2 Normative references

The following referenced documents are indispensable for the application 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 1176-1:2008, Playground equipment and surfacing — Part 1: General safety requirements and test methods

EN 1176-2:2008, Playground equipment and surfacing — Part 2: Additional specific safety requirements and test methods for swings

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1176-1:2008 and the following apply.

3.1

carousel

playground equipment intended for more than one user, that rotates around a central vertical axis without oscillation

3.2

carousel type A

rotating chairs

carousels without a closed rotating platform whose user stations are defined by seats or handholds that are rigidly connected with the central shaft via the supporting structure (see Figure 1)

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