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**PLAYGROUND EQUIPMENT AND SURFACING  
- PART 5: ADDITIONAL SPECIFIC SAFETY  
REQUIREMENTS AND TEST METHODS FOR  
CAROUSELS**

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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.

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**Contents**

Page

Foreword.....3

1 Scope .....5

2 Normative references .....5

3 Terms and definitions .....5

4 Safety requirements .....8

4.1 General.....8

4.2 Free height of fall and impact area .....9

4.3 Free space/falling space .....9

4.4 User stations .....11

4.5 Axis .....11

4.6 Speed of rotation .....11

4.7 Grip handles .....11

4.8 Load capacity and stability .....11

5 Type specific requirements .....11

5.1 Carousel type A (rotating chairs) .....11

5.2 Carousel type B (classic carousel) .....12

5.3 Carousel type C (spinning mushrooms, hanging glides).....15

5.4 Carousel type D (track-driven carousels) .....16

5.5 Carousel type E (giant revolving disks) .....16

6 Test reports .....18

7 Marking .....18

**Annex A (normative) Method for the determination of attachment strength of supporting structure components to the rotating shaft.....19**

A.1 Principle .....19

A.2 Procedure .....19

**Annex B (informative) A–deviations .....20**

## 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.

**I.S. EN 1176-5:2008**

**EN 1176-5:2008 (E)**

- 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 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 the United Kingdom.

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