



Playground equipment and surfacing

Part 5: Additional specific safety requirements and test methods for carousels (EN 1176-5:2008, MOD)

AS 4685.5:2014 Playground equipment and surfacing, Part 5: Additional specific safety requirements and test methods for carousels (EN 1176-5:2008, MOD), is a modified adoption of EN 1176-5:2008, Playground equipment and surfacing, Part 5: Additional specific safety requirements and test methods for carousels, and is reproduced with the permission of CEN, Avenue Marnix 17, B-1000 Brussels, Belgium. All exploitation rights of the European Standards in any form and by any means are reserved world-wide to CEN and its National Members, and no reproduction may be undertaken without express permission in writing by CEN through Standards Australia Limited.

A graphic logo for Standards Australia, consisting of several overlapping, curved lines in shades of grey and white, creating a sense of motion and depth.

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This Australian Standard® was prepared by Committee CS-005, Playground Equipment. It was approved on behalf of the Council of Standards Australia on 13 March 2014. This Standard was published on 24 April 2014.

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 - Australian Institute of Landscape Architects
 - Department for Health and Ageing, SA
 - Early Childhood Australia
 - Education and Early Childhood Services Registration and Standards Board
 - Engineers Australia
 - Institute of Public Works Engineering Australia
 - Kidsafe
 - Monash University
 - National Association of Testing Authorities Australia
 - Occupational Therapy Australia
 - Play Australia
 - Play Equipment Importers and Exporters
-

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Australian Standard[®]

Playground equipment and surfacing

Part 5: Additional specific safety requirements and test methods for carousels (EN 1176-5:2008, MOD)

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PREFACE

This Standard was prepared by the Standards Australia Committee CS-005, Playground Equipment, to supersede, AS 4685.5—2004, *Playground equipment, Part 5: Particular safety requirements and test methods for carousels*.

This Standard will apply from the date of publication. However, the Committee has decided that, to avoid excessive cost to manufacturers and operators, the superseded Standard, AS 4685.5—2004, will continue as an alternative for a period of one year after the publication date.

The objective of this Standard is to specify particular safety requirements for carousels of diameter greater than 0.5 m intended for permanent installation for use by children. General requirements and test methods are set out in AS 4685.1.

This Standard is an adoption with national modifications and has been reproduced from EN 1176-5:2008, *Playground equipment and surfacing, Part 5: Additional specific safety requirements and test methods for carousels*, and has been varied as indicated to take account of Australian conditions. The modifications are specified in Appendix ZZ.

As this Standard is reproduced from an International Standard, the following applies.

- (a) In the source text ‘this European Standard’ should read ‘this Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
EN		AS	
1176	Playground equipment and surfacing	4685	Playground equipment and surfacing
1176-1	Part 1: General safety requirements and test methods	4685.1	Part 1: General safety requirements and test methods (EN 1176-1:2008, MOD)
1176-1	Part 2: Additional specific safety requirements and test methods for swings	4685.2	Part 2: Particular safety requirements and test methods for swings (EN 1176-2:2008, MOD)

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex or appendix to which they apply. A ‘normative’ annex or appendix is an integral part of a Standard, whereas an ‘informative’ annex or appendix is only for information and guidance.

CONTENTS

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

AUSTRALIAN STANDARD

Playground equipment and surfacing

Part 5:

Additional specific safety requirements and test methods for carousels
(EN 1176-5:2008, MOD)**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)