



Playground equipment and surfacing

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

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The following are represented on Committee CS-005:

- Australian Industry Group
 - 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[®]

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 However, the Committee has decided that, to avoid excessive cost to manufacturers and operators, the superseded Standard, AS 4685.5—2004, will continue as an alternative for a period of one year after the publication date.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

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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)**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)