

Australian Standard[®]

Playground equipment

**Part 5: Particular safety requirements
and test methods for carousels**



This Australian Standard® was prepared by Committee CS-005, Playground Equipment. It was approved on behalf of the Council of Standards Australia on 13 September 2004. This Standard was published on 13 October 2004.

The following are represented on Committee CS-005:

- Australian Council of State School Organisations
 - Australian Early Childhood Association
 - Australian Industry Group
 - Australian Local Government Association
 - Australian Public Risk Insurance Management Association
 - Consumers Federation of Australia
 - Department for Human Services, S.A.
 - Engineers Australia
 - Kidsafe
 - New South Wales Department of Community Services
 - New South Wales Health Department
 - Office of Fair Trading, N.S.W.
 - Parks and Leisure, Australia
 - Plastics and Chemicals Industries Association
 - Playgrounds & Recreation Association of Victoria
 - Timber Preservers Association of Australia
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through public comment period.

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Playground equipment

Part 5: Particular safety requirements and test methods for carousels

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PREFACE

This Standard was prepared by Standards Australia Committee CS-005, Playground Equipment to supersede, in part, AS 1924.2—1981, *Playground equipment for parks, schools and domestic use*, Part 2: *Design and construction—Safety aspect*.

This Standard incorporates Amendment No. 1 (October 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected

The Standard is Part 5 of the following series:

AS

- 4685 Playground equipment
- 4685.1 Part 1: General safety requirements and test methods
- 4685.2 Part 2: Particular safety requirements and test methods for swings
- 4685.3 Part 3: Particular safety requirements and test methods for slides
- 4685.4 Part 4: Particular safety requirements and test methods for runways
- 4685.5 Part 5: Particular safety requirements and test methods for carousels
- 4685.6 Part 6: Particular safety requirements and test methods for rocking equipment

This Standard must be used in conjunction with AS 4685.1.

This Standard is based on, but not equivalent to, EN 1176-5:1999, *Playground equipment*, Part 5: *Additional specific safety requirements and test methods for carousels*, which was prepared by CEN/TC 136, Sports Playgrounds and Recreational Equipment.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

This Standard will apply from the date of publication. However the committee has decided that, to avoid excessive costs to manufacturers and operators, the superseded Standards, AS 1924.1 and AS 1924.2, will continue as an alternative for a period of one year after the publication date.

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STANDARDS AUSTRALIA**Australian Standard
Playground equipment****Part 5: Particular safety requirements and test methods for carousels****SECTION 1 SCOPE AND GENERAL****1.1 SCOPE**

This Standard specifies particular safety requirements for carousels of diameter greater than 0.5 m intended for permanent installation for use by children.

This Standard is applicable to carousels that are used as playground equipment for children, as defined in Clause 1.5.1.

This Standard is not applicable to motor-driven carousels, fairground carousels or log rolls.

The requirements of this Standard apply in addition to the general requirements for playground equipment set out in AS 4685.1.

1.2 OBJECTIVE

The objective of this Standard is to minimize risk of injury to children using playgrounds by providing internationally aligned specific requirements for playground equipment. The Standard is intended for use by designers, consultants, inspectors, manufacturers and installers of playground equipment as well as playground operators and maintenance professionals.

1.3 APPLICATION

The same hazards face a child from playground equipment whether it is produced by a commercial organization such as a specialist manufacturer, a voluntary group such as a service group or a parent organization or a single individual. The requirements of this Standard therefore apply to all playgrounds and playground equipment.

1.4 REFERENCED DOCUMENTS

AS

4685 Playground equipment

4685.1 Part 1: General safety requirements and test methods

4685.2 Part 2: Particular safety requirements and test methods for swings

AS/NZS

4422 Playground surfacing—Specifications, requirements and test method

1.5 DEFINITIONS

For the purposes of this Standard, the definitions given in AS 4685.1 and those below apply.