

Australian Standard[®]

Playground equipment

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

STANDARDS
Australia



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.

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- 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 Resources, 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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and test methods for swings**

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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 aspects*.

This Standard incorporates Amendment No. 1 (October 2006) and Amendment No. 2 (April 2008). 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.

This Standard is Part 2 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 crawlways
- 4685.6 Part 6: Particular safety requirements and test methods for rocking equipment

This Standard must be used in conjunction with AS 4685.1, which comprises requirements and test methods that apply to all playground equipment.

Where swings are combined with other items of children's playground equipment, the relevant Standards on the other items of equipment apply in addition to this Standard.

This Standard is based on, but not equivalent to, EN 1176-2:2003, *Playground equipment, Part 2: Additional specific safety requirements and test methods for swings*, which was prepared by CEN/TC 136 Sports Playgrounds and Recreational Equipment.

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

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

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies particular safety requirements for swings intended for permanent installation for use by children. The requirements of this Standard apply in addition to the general requirements for playground equipment set out in AS 4685.1.

A2 | This Standard is not applicable to motor driven swings or motor driven swing type equipment. See AS 3533.

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, manufacturers and installers of playground equipment as well as the operators, maintenance professionals and inspectors of playgrounds.

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

The following documents are referred to in this Standard:

AS	
4685	Playground equipment
4685.1	Part 1: General safety requirements and test methods
A2 3533	Amusement rides and devices (series)
AS/NZS	
4422	Playground surfacing—Specifications, requirements and test methods

1.5 DEFINITIONS

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

1.5.1 Circulation space

The area around the equipment that allows movement from, between and around equipment, and is free of all obstacles that children could run into, trip on or fall on top of and thus be injured. The circulation space includes the fall zones of the equipment and extends to at least the width of the equipment.