AS 4685.2—2004
(Incorporating Amendment Nos 1 and 2)

Australian Standard®

Playground equipment

Part 2: Particular safety requirements and test methods for swings

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 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

This Standard was issued in draft form for comment as DR 02345.

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 the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

AS 4685.2—2004
(Incorporating Amendment Nos 1 and 2)

Australian Standard®

Playground equipment

Part 2: Particular safety requirements and test methods for swings

Originated as part of AS 1924.1—1976.
Previous edition AS 1924.1—1981 and AS 1924.2—1981.
Part of AS 1924.1—1981 and AS 1924.2—1981 revised, amalgamated and redesignated as AS 4685.2—2004.
Reissued incorporating Amendment No. 1 (October 2006).
Reissued incorporating Amendment No. 2 (April 2008).

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 6294 8

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 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, 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.

CONTENTS

Page

STANDARDS AUSTRALIA

Australian Standard
Playground equipment

Part 2: Particular safety requirements and test methods for swings

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.

