

AS 4685.6:2021



# Playground equipment and surfacing

## Method 6: Additional safety requirements and test methods for rocking equipment (EN 1176-6:2017, MOD)

*This Australian Standard is the adoption of EN 1176-6:2017 with national modifications as set out in the Appendix ZZ to take account of Australian conditions with the permission of the European Committee for Standardization – CEN, Rue de la Science 23, B – 1040 Brussels, Belgium.*



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The following are represented on Committee CS-005:

- Association of Rotational Moulders Australasia
- Australian Industry Group
- Australian Institute of Landscape Architects
- Children's Health Queensland Hospital and Health Service
- Consumers' Federation of Australia
- Early Childhood Australia
- Engineers Australia
- Institute of Public Works Engineering Australasia
- Kidsafe Australia
- National Association of Testing Authorities Australia
- Occupational Therapy Australia
- Play Australia
- Scouts Australia
- Sports and Play Industry Association
- University of Sydney

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## Preface

This Standard was prepared by the Standards Australia Committee CS-005 Playground Equipment, to supersede AS 4685.6:2014, *Playground equipment and surfacing, Part 6: Additional specific safety requirements and test methods for rocking equipment*.

If a Standard is referenced in legislation, the legislative instrument or regulation specifies the date on which the Standard or Amendment comes into effect. Regulatory Authorities have indicated 12 months as an appropriate transition period from the date of publication for the application of this Standard. Refer to the relevant regulatory authority for further information.

This document specifies additional safety requirements and test methods for seesaws and rocking equipment intended for permanent installation for use by children.

This document is an adoption with national modifications, and has been reproduced from, EN 1176-6:2017, *Playground equipment and surfacing — Part 6: Additional specific safety requirements and test methods for rocking equipment*. The modifications are additional requirements and are set out in [Appendix ZZ](#), which has been added at the end of the source text.

[Appendix ZZ](#) lists the variations to EN 1176-6:2017 for the application of this document in Australia.

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

## NOTES

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## European foreword

This document (EN 1176-6:2017) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1176-6:2008.

This European Standard EN 1176 “Playground equipment and surfacing” consists of a number of parts as follows:

- *Part 1: General safety requirements and test methods*
- *Part 2: Additional specific safety requirements and test methods for swings*
- *Part 3: Additional specific safety requirements and test methods for slides*
- *Part 4: Additional specific safety requirements and test methods for cableways*
- *Part 5: Additional specific safety requirements and test methods for carousels*
- *Part 6: Additional specific safety requirements and test methods for rocking equipment*
- *Part 7: Guidance on installation, inspection, maintenance and operation*
- *Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment*
- *Part 11: Additional specific safety requirements and test methods for spatial network*

This part of EN 1176 is to be used in conjunction with EN 1176-1, EN 1176-7 and EN 1177.

For inflatable play equipment see EN 14960, *Inflatable play equipment — Safety requirements and test methods*.

The principal changes from the previous edition of this part of EN 1176 are as follows:

- a) type 2, 3 and 4 is not classified as a forced movement equipment;
- b) rocking equipment provided for standing use the falling space shall be at least 1,5 m.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This document is applicable to rocking equipment which is used as playground equipment for children, as defined in 3.1. Where the main play function is not rocking, the relevant requirements in this document may be used, as appropriate.

This document specifies additional safety requirements and test methods for seesaws and rocking equipment intended for permanent installation for use by children.

It is intended to provide protection to the user against possible hazards during use.

NOTE Guidance for assessing the safety of other forms of seesaw/rocking equipment is given in informative Annex A.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1176-1:2017, *Playground equipment and surfacing — Part 1: General safety requirements and test methods*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1176-1 and the following apply.

### 3.1

#### **rocking equipment**

**seesaw** (hereinafter referred to as equipment)

equipment that can be set in motion by the user and is generally characterized by a rigid element that rocks about a central support

Note 1 to entry: The equipment can have one or several seats or stands.

Note 2 to entry: Figure 1a) shows the principle components for rocking equipment. Figure 1b) shows the principle components for seesaws.

Note 3 to entry: The seesaw/rocking movement depends on the type and configuration of fixture (see Figures 2 to 7).