



Playground equipment

Part 11: Additional specific safety requirements and test methods for spatial networks (EN 1176-11:2008, MOD)

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 - Australian Industry Group
 - Australian Institute of Landscape Architects
 - Department of Education and Communities, NSW
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Australian Standard[®]

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PREFACE

This Standard was prepared by the Standards Australia Committee CS-005, Playground Equipment, to supersede AS 4685.11—2012, *Playground equipment, Part 11: Additional specific safety requirements and test methods for spatial network*.

The objective of this Standard is to provide Australian designers and operators of children's playground equipment with additional specific safety requirements and test methods for spatial networks to enhance safety levels for children using this equipment.

This revision aligns the Standard with AS 4685.1:2014 and increases free height of fall h from 2.5 m to 3.0 m.

This Standard is an adoption with national modifications and has been reproduced from EN 1176-11:2008, *Playground equipment and surfacing, Part 11: Additional specific safety requirements and test methods for spatial network*, 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 or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
EN	AS
1176 Playground equipment and surfacing	4685 Playground equipment
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)

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

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AUSTRALIAN STANDARD

Playground equipment

Part 11:

Additional specific safety requirements and test methods for spatial networks (EN 1176-11:2008, MOD)

1 Scope

This document specifies additional safety requirements for spatial networks intended for permanent installation for use by children.

This standard is not applicable to artificial climbing structures, which are used for training for sports activities, e.g. alpinism.

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*

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**spatial network**

climbing equipment as geometric 3-dimensional assembly of flexible elements (e.g. ropes, chains, etc.), which by its design will yield

NOTE 1 See Figure 1 for examples.

NOTE 2 Because of the way in which climbing equipment is used (see EN 1176-1:2008, 3.2) if the user were to fall, this would be a vertical downward fall into the structure. Therefore, structural elements outside the net are not considered to be in the falling space.

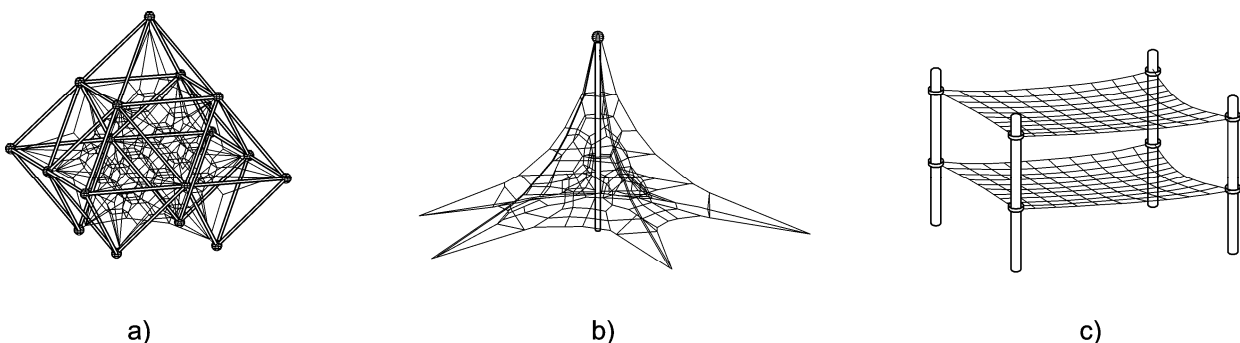


Figure 1 — Examples of spatial network

3.2**3-dimensional arranged planar nets**

3-dimensional assembly of two or more planar nets one above the other

3.3**converging parts**

any two linear elements, i.e. not flat surfaces, the distance between which diminishes along their length