

SVENSK STANDARD

SS-EN 1176-11:2014



Fastställt/Approved: 2014-08-24
Publicerad/Published: 2014-09-01
Utgåva/Edition: 2
Språk/Language: engelska/English
ICS: 97.200.40

Lekredskap och stötdämpande underlag – Del 11: Tredimensionella nätkonstruktioner – Kompletterande säkerhetskrav och provningsmetoder

Playground equipment and surfacing – Part 11: Additional specific safety requirements and test methods for spatial network



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Europastandarden EN 1176-11:2014 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1176-11:2014.

Denna standard ersätter SS-EN 1176-11:2008, utgåva 1.

The European Standard EN 1176-11:2014 has the status of a Swedish Standard. This document contains the official version of EN 1176-11:2014.

This standard supersedes the Swedish Standard SS-EN 1176-11:2008, edition 1.

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Denna standard är framtagen av kommittén för Lekredskap, SIS/TK 379.

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English Version

Playground equipment and surfacing - Part 11: Additional specific safety requirements and test methods for spatial network

Équipements et sols d'aires de jeux - Partie 11: Exigences de sécurité et méthodes d'essai complémentaires spécifiques des filets à grimper tridimensionnels

Spielplatzgeräte und Spielplatzböden - Teil 11: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Raumnetze

This European Standard was approved by CEN on 4 July 2014.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 1176-11:2014) 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 February 2015 and conflicting national standards shall be withdrawn at the latest by February 2015.

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

This document supersedes EN 1176-11:2008.

The main technical changes compared to EN 1176-11:2008 are:

- a) Figure 5 revised;
- b) Clarification of the requirements for converging parts;
- c) Standard editorially revised.

EN 1176, *Playground equipment and surfacing* consists of the following parts:

- *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 should not be used in isolation, but 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*.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

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

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

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 1176-1:2008, *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, which by its design will yield

Note 1 to entry: Flexible elements can be e.g. ropes, chains, etc.

Note 2 to entry: See Figure 1 for examples.

Note 3 to entry: 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.

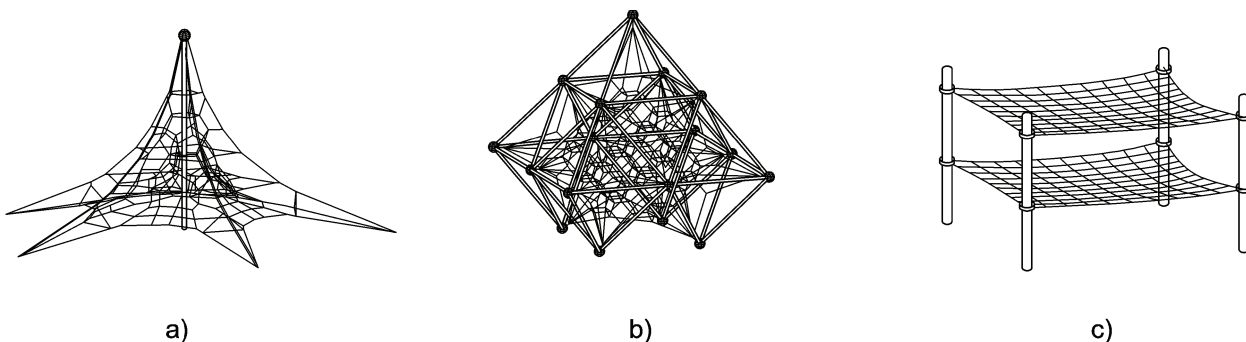


Figure 1 — Examples of spatial network

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