

MÄNGUVÄLJAKU SEADMED JA ALUSPIND. OSA 7:  
JUHISED PAIGALDAMISE, ÜLEVAATUSE, HOOLDAMISE  
JA KASUTAMISE KOHTA

Playground equipment and surfacing - Part 7: Guidance  
on installation, inspection, maintenance and operation

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 1176-7:2020 sisaldab Euroopa standardi EN 1176-7:2020 ingliskeelset teksti.	This Estonian standard EVS-EN 1176-7:2020 consists of the English text of the European standard EN 1176-7:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

## Playground equipment and surfacing - Part 7: Guidance on installation, inspection, maintenance and operation

Équipements et sols d'aires de jeux - Partie 7 :  
Recommandations relatives à l'installation, au contrôle,  
à la maintenance et à l'utilisation

Spielplatzgeräte und Spielplatzböden - Teil 7:  
Anleitung für Installation, Inspektion, Wartung und  
Betrieb

This European Standard was approved by CEN on 13 January 2020.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

This document (EN 1176-7:2020) 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 October 2020, and conflicting national standards shall be withdrawn at the latest by October 2020.

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 1176-7:2008.

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 should be read in conjunction with EN 1176 (all parts) and EN 1177, *Impact attenuating playground surfacing — Methods of test for determination of impact attenuation*.

The following European Standards and Technical Reports and others might also apply:

- EN 14960 (all parts), *Inflatable play equipment — Safety requirements and test methods*
- EN 14974, *Skateparks — Safety requirements and test methods*
- EN 15312, *Free access multi-sports equipment — Requirements, including safety and test methods*
- EN 16630, *Outdoor fitness equipment — Safety requirements and test methods*
- CEN/TR 16598, *Collection of rationales for EN 1176 — Requirements*
- CEN/TR 16879, *Siting of playgrounds and other recreational facilities — Advice on methods for positioning and separation*

- EN 16899, *Sports and recreational equipment — Parkour equipment — Safety requirements and test methods*
- CEN/TR 17207, *Playground and recreational areas — Framework for the competence of playground inspectors*

For requirements on the maintenance of fully enclosed play equipment, see EN 1176-10, *Playground equipment and surfacing — Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment*.

The principal change from the previous edition of EN 1176-7 is that the guidance given in this part of EN 1176 has been updated in the light of experience of use of EN 1176-7:2008, for example by referring to other parts of EN 1176 when carrying out an inspection. This resulted in the following changes:

- a) wording aligned with EN 1176-1;
- b) recommendations mostly transformed into requirements;
- c) inspection and maintenance revised split and into separate sections;
- d) other CEN documents added to the European Foreword to show relation with this standard to the reader;

terms and definitions updated.

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

## 1 Scope

This document is applicable to playground equipment, surfacing and ancillary items, e.g. gates, fences, benches, bins, shades, etc. It is intended for use by playground operators (see definitions 3.4) to assist them in developing an inspection and maintenance regime for each playground.

Note 1 The scope of the inspection and inclusion of the ancillary items will vary individually.

Note 2 Ancillary items are not included in the specific equipment-type parts of the EN 1176 series; hence they are not assessed for compliance with EN 1176 series and are subject to risk assessment.

This document establishes guidance on the installation, inspection, maintenance and operation of playground equipment and surfacing around the equipment.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1176-1:2017, *Playground equipment and surfacing — Part 1: General safety requirements and test methods*

EN 1177:2018, *Impact attenuating playground surfacing — Methods of test for determination of impact attenuation*

## 3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1

#### **inspection**

check to ensure the continuous safe use of a playground

Note 1 to entry: The purpose of an inspection is to assess the overall level of safety of the equipment and/or surfacing of the playground. The outcome of an inspection is reported in an inspection report and can result in preventive measures such as extra maintenance, repairs, etc.

### 3.2

#### **maintenance**

intervention that is required and/or undertaken to conserve, as nearly and as long as possible, the original condition of the equipment and surfacing while compensating for normal wear and tear

Note 1 to entry: The maintenance instructions are provided by the supplier as stated in EN 1176-1:2017, 6.1.4