

ICS 97.200.40

Supersedes  
DIN EN 1176-2:2017-12

**Playground equipment and surfacing –  
Part 2: Additional specific safety requirements and test methods for  
swings;  
English version EN 1176-2:2017+AC:2019,  
English translation of DIN EN 1176-2:2020-04**

Spielplatzgeräte und Spielplatzböden –  
Teil 2: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für  
Schaukeln;  
Englische Fassung EN 1176-2:2017+AC:2019,  
Englische Übersetzung von DIN EN 1176-2:2020-04

Équipement et sols d'aires de jeux –  
Partie 2: Exigences de sécurité et méthodes d'essai complémentaires spécifiques aux  
balançoires;  
Version anglaise EN 1176-2:2017+AC:2019,  
Traduction anglaise de DIN EN 1176-2:2020-04

Document comprises 28 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## Start of application

The start of application of this standard is 2017-12-01.

For DIN EN 1176-2:2008-08 there is a transition period ending on 2018-10-31.

## National foreword

This standard includes safety requirements within the meaning of the *Produktsicherheitsgesetz* (ProdSG) (German Product Safety Act).

This document (EN 1176-2:2017+AC:2019) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment” (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sport- und Freizeitgerät* (DIN Standards Committee Sports Equipment), Working Committee NA 112-07-01 AA “Playground equipment”.

In addition to the legal units of measurement, this standard also uses gravitational acceleration “*g*” which is used as a unit. It should be noted that the *Gesetz über Einheiten im Messwesen* (German Law on units in metrology) prohibits the use of other units than those allowed for official and commercial purposes in Germany.

Conversion:

$$1\,g = 9,80665\,\text{m/s}^2$$

Where this standard has been identified by the *Ausschuss für Produktsicherheit* (German Committee for Product Safety) and reference to it has been published in the *Gemeinsames Ministerialblatt* (German Joint Ministerial Gazette) by the *Bundesanstalt für Arbeitsschutz und Arbeitsmedizin* (BAuA) (German Federal Institute for Occupational Safety and Health), it is to be presumed that swings which comply with this standard fulfil the relevant health and safety requirements.

## Amendments

This standard differs from DIN EN 1176-2:2008-08 and DIN EN 1176-2 Corrigendum 1:2008-12 as follows:

- a) the definition of a swing has been amended;
- b) an additional figure for an example of a swing with one rotational axis has been included (see Figure 1);
- c) a new figure on ground clearance has been included (see Figure 7);
- d) a new definition of and requirements for group swing seats have been included;
- e) recommendations for fences around swings have been revised;
- f) the figure for free height of fall and surfacing requirements beneath a swing have been revised (see Figure 10);

- g) the test methods in B.4 and B.5 have been harmonized with the measuring device from the EN 1176 series;
- h) parts of the EN 1176 series have been linguistically adapted to each other;
- i) the standard has been brought in line with the current rules of presentation.

Compared with DIN EN 1176-2:2017-12, the following corrections have been made:

- a) in Annex A, second paragraph, the length of swinging suspension member  $h_2$  is used instead of dimension “ $L$ ” for measuring the impact area;
- b) in the German translation, subclause 4.6.3, third paragraph, “*zwischen den Seiten*” has been replaced by “*zwischen den Seilen*”.

### Previous editions

DIN 7926-2: 1976-12, 1981-05, 1984-01  
DIN EN 1176-2: 1998-10, 2003-07, 2008-08, 2017-12  
DIN EN 1176-2 Corrigendum 1: 2008-12