



SLOVENSKI STANDARD

SIST EN 1176-6:2008

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Playground equipment and surfacing - Part 6: Additional specific safety requirements and test methods for rocking equipment

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Spielplatzgeräte und Spielplatzböden - Teil 6: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Wippgeräte

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Equipements et sols d'aires de jeux - Partie 6 : Exigences de sécurité et méthodes d'essai complémentaires spécifiques aux équipements oscillants

Ta slovenski standard je istoveten z: EN 1176-6:2008

ICS:

97.200.40 Q|ž æ Playgrounds

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English Version

Playground equipment and surfacing - Part 6: Additional specific safety requirements and test methods for rocking equipment

Équipements et sols d'aires de jeux - Partie 6 : Exigences de sécurité et méthodes d'essai complémentaires spécifiques aux équipements oscillants

Spielplatzgeräte und Spielplatzböden - Teil 6: Zusätzliche besondere sicherheitstechnische Anforderungen und Prüfverfahren für Wippgeräte

This European Standard was approved by CEN on 25 April 2008.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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Contents		Page
Foreword.....		3
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Safety requirements	11
5	Additional type requirements	14
6	Test reports	16
7	Marking	16
Annex A (informative) Guidance for assessing the safety of seesaw/rocking equipment other than Types 1 to 6		17
Annex B (normative) Determination of seat/stand slope and ground clearance		18
Annex C (normative) Determination of freedom from pinch and crush points		19
Annex D (normative) Determination of sideways stability.....		20
Annex E (normative) Determination of hand support and/or foot rest projection		21

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Foreword

This document (EN 1176-6:2008) 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 November 2008, and conflicting national standards shall be withdrawn at the latest by May 2009.

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 1176-6:1998.

This European Standard consists of a number of parts as follows:

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

EN 1176-2, *Playground equipment and surfacing — Part 2: Additional specific safety requirements and test methods for swings*

EN 1176-3, *Playground equipment and surfacing — Part 3: Additional specific safety requirements and test methods for slides*

EN 1176-4, *Playground equipment and surfacing — Part 4: Additional specific safety requirements and test methods for cableways*

EN 1176-5, *Playground equipment and surfacing — Part 5: Additional specific safety requirements and test methods for carousels*

EN 1176-6, *Playground equipment and surfacing — Part 6: Additional specific safety requirements and test methods for rocking equipment*

EN 1176-7, *Playground equipment and surfacing — Part 7: Guidance on installation, inspection, maintenance and operation*

EN 1176-10, *Playground equipment and surfacing — Part 10: Additional specific safety requirements and test methods for fully enclosed play equipment*

EN 1176-11, *Playground equipment and surfacing — Part 11: Additional specific safety requirements and test methods for spatial network*

This part of the standard 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*

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

- a) The inclusion of requirements for sweeping seesaws supported above the users position (Type 5) and overhead single axis seesaws (Type 6).

EN 1176-6:2008 (E)

- b) The inclusion of requirements and a test method, based on the use of a ring gauge, for the projection of hand supports and foot rests.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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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 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 Annex A.

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

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 The equipment can have one or several seats or stands.

NOTE 2 Figure 1a) shows the principle components for rocking equipment. Figure 1b) shows the principle components for seesaws.

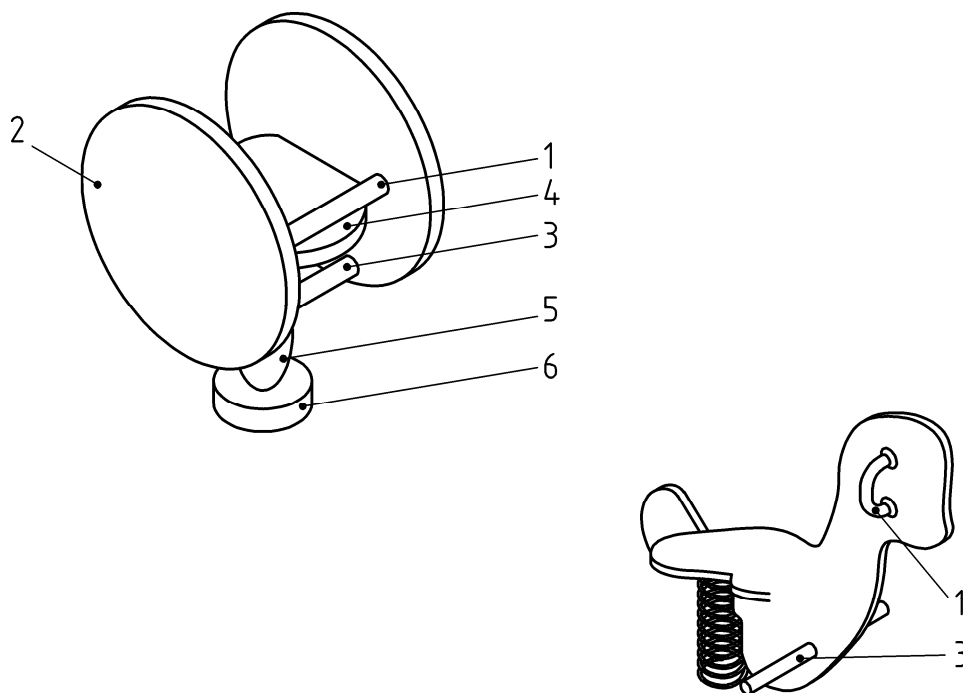
NOTE 3 The seesaw/rocking movement depends on the type and configuration of fixture (see Figures 2 to 7).

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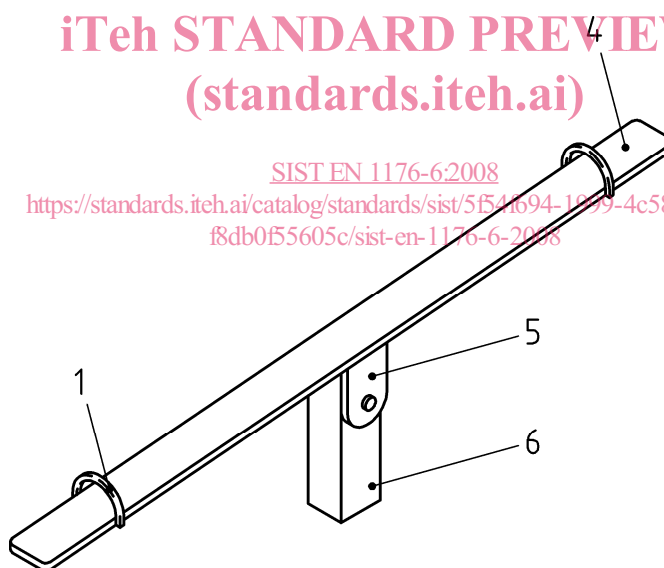


a) Rocking equipment

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b) Seesaw

Key

- 1 hand support
- 2 body
- 3 foot rest
- 4 seat/stand

- 5 supporting component
- 6 anchorage

Figure 1 — Principal components for rocking equipment/seesaw**3.2****axial seesaw (Type 1)**

equipment in which only vertical movement can take place (see Figure 2)

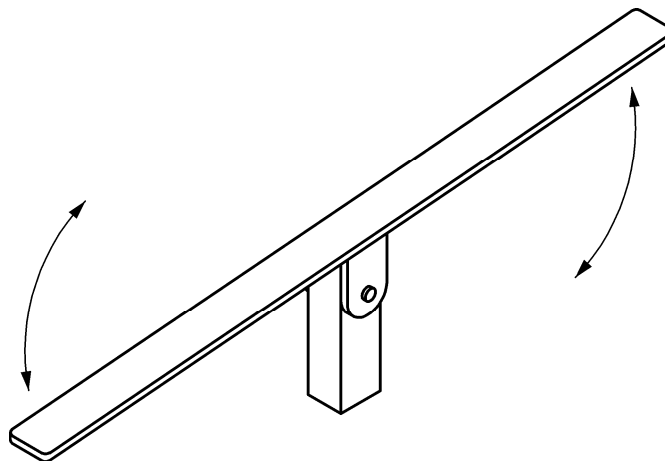
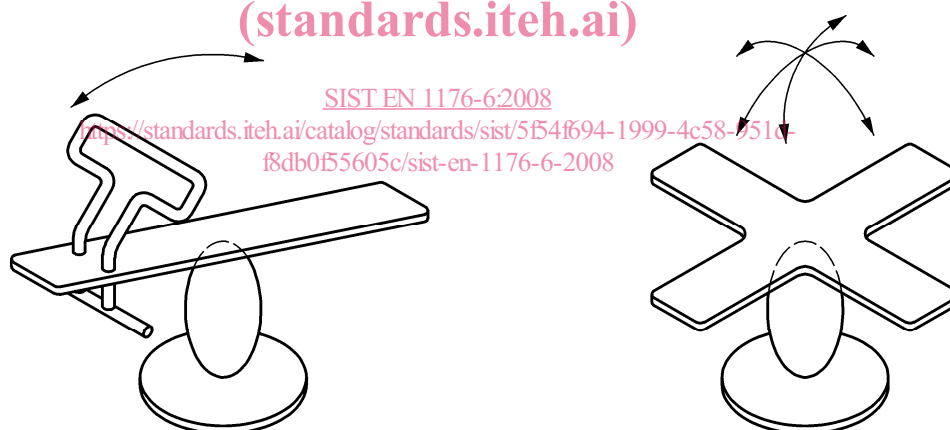


Figure 2 — Example of an axial seesaw (Type 1)

3.3
single-point seesaw/single-point rocking equipment (Type 2A and 2B)
 equipment with a single-point supporting component (see Figure 3)

NOTE Typical single point supporting components include: coils, springs, torsion and compression blocks.



a) Type 2A with predetermined main direction of movement

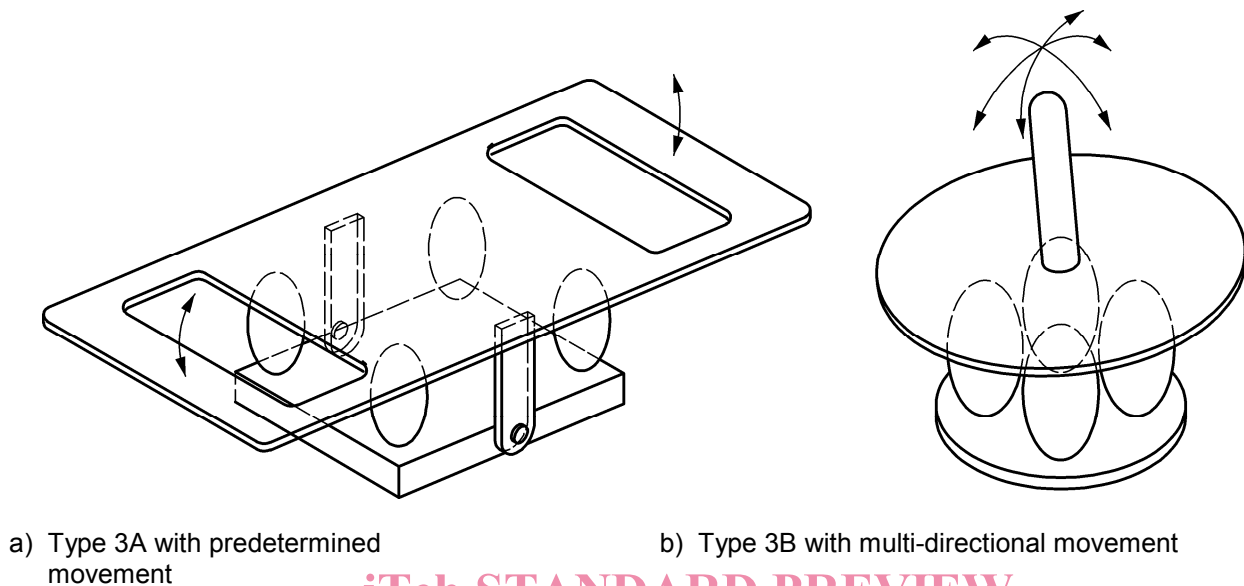
b) Type 2B with multi-directional movement

Figure 3 — Examples of single-point seesaw/rocking equipment (Types 2A and 2B)

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3.4
multi-point seesaw/multi-point rocking equipment (Types 3A and 3B)
 equipment with several supporting components (see Figure 4)

NOTE The movement depends upon the placement and type of supporting components.



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Figure 4 — Examples of multi-point seesaw (Types 3A and 3B)

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3.5
rocking seesaw (Type 4)

equipment that is fixed so that the movement, which is mainly horizontal, is guided by several parallel axes and moves in one (to-fro) direction only (see Figure 5)

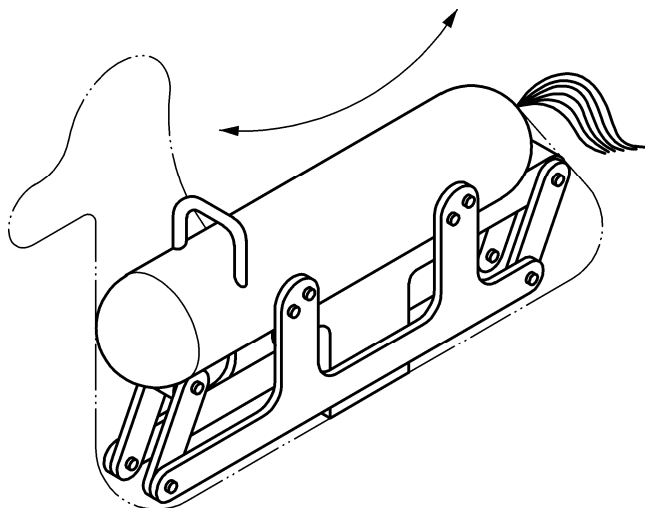
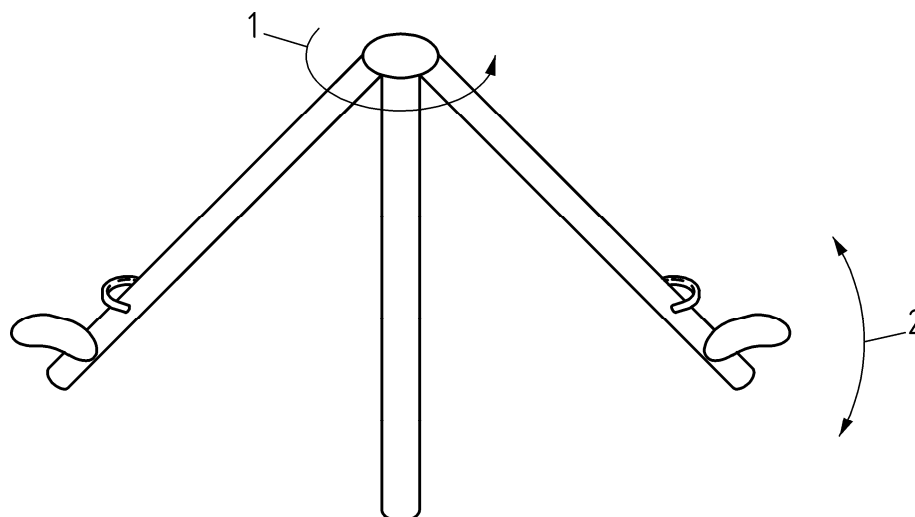


Figure 5 — Example of a rocking seesaw (Type 4)

3.6**sweeping seesaw supported above the users position (Type 5)**

equipment in which both vertical and horizontal movement takes place (multi-directional), which may result in a sweeping motion (see Figure 6)



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Key

- 1 circular movement around central post
- 2 rocking movement

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Figure 6 — Example of a sweeping seesaw supported above the users position (Type 5)