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Safety of toys - Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use - Amendment A1

Sicherheit von Spielzeug - Teil 8: Schaukeln, Rutschen und ähnliches Aktivitätsspielzeug für den häuslichen Gebrauch (Innen- und Außenbereich)

Sécurité des jouets - Partie 8: Balançoires, toboggans et jouets d'activité similaires à usage familial en extérieur et en intérieur

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**Ta slovenski standard je istoveten z: EN 71-8:2003/A1:2006**

**ICS:**

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Toys

**SIST EN 71-8:2003/A1:2006****en,fr,de**

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

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English Version

## Safety of toys - Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use

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This amendment A1 modifies the European Standard EN 71-8:2003; it was approved by CEN on 20 March 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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

Management Centre: rue de Stassart, 36 B-1050 Brussels

## Foreword

This document (EN 71-8:2003/A1:2006) has been prepared by Technical Committee CEN/TC 52 "Safety of toys", the secretariat of which is held by DS.

This Amendment to the European Standard EN 71-8:2003 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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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#### 4.1.3 Corners and edges

In heading: Add “(see A.8)”.

#### Amend 4.1.3 to read:

Exposed *edges* shall be rounded.

Corners and exposed *edges* on moving parts shall have a minimum radius of 3 mm. This does not apply to *swing* elements with a mass of 1 000 g or less, the corners and *edges* of which shall be rounded.

(See also new A.8)

#### 4.4 Stability of activity toys other than slides, swings and toys with crossbeams

Replace the first paragraph by:

*Activity toys* supplied with *anchors* and intended to be permanently fixed (e.g. in concrete) when in use according to the manufacturer's instructions, shall not be subjected to stability tests.

*Activity toys* supplied with *removable* ground *anchors* shall be tested with *anchors* fixed to the standing surface according to the manufacturer's instructions.

*Activity toys* not supplied with *anchors* shall be subjected to stability tests.

#### 4.5.1 Stability of slides

Replace the first paragraph by:

*Slides* supplied with *anchors* and intended to be permanently fixed (e.g. in concrete) when in use according to the manufacturer's instructions, shall not be subjected to stability tests.

*Slides* supplied with *removable* ground *anchors* shall be tested with *anchors* fixed to the standing surface according to the manufacturer's instructions.

*Slides* not supplied with *anchors* shall be subjected to stability tests.

#### 4.6 Swings (see A.6)

Amend 4.6.1 to read:

#### 4.6.1 Stability of swings and other activity toys with crossbeams

##### 4.6.1.1 General

*Swings* and other activity toys with crossbeams supplied with *anchors* and intended to be permanently fixed (e.g. in concrete) when in use according to the manufacturer's instructions, shall not be subjected to stability tests.

*Swings* and other activity toys with crossbeams supplied with *removable* ground *anchors* shall be tested with *anchors* fixed to the standing surface according to the manufacturer's instructions.

*Swings* and other activity toys with crossbeams not supplied with *anchors* shall be subjected to stability tests.

#### 4.6.1.2 Swings and other activity toys with crossbeams more than 1 200 mm over the ground

When tested according to 6.1.4.1 (stability of swings and other activity toys with crossbeams more than 1 200 mm over the ground), the toy shall not tip over.

#### 4.6.1.3 Swings and other activity toys with crossbeams 1 200 mm or less over the ground intended for children under 36 months

When tested according to 6.1.4.2 (stability of swings and other activity toys with crossbeams 1 200 mm or less over the ground), the toy shall not tip over.

(See also amendments to 6.1.4)

#### 4.6.6 Lateral stability of swing elements

Add a new first paragraph:

"This requirement does not apply to *swings* with rigid means of suspension."

#### 4.6.8 Suspension connectors and means of suspension

Amend a) to read:

"*Suspension connectors* on suspended *swing* elements shall be prefixed when supplied. This requirement does not apply to *swings* with rigid means of suspensions."

Methods of attachments requiring the consumer to tie a knot during assembly or adjustment as the sole means of securing the suspensions to a crossbeam or the seat are not permitted."

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#### 4.8 Carousels and rocking activity toys (see A.7)

Amend to read:

"These requirements do not apply to bow-mounted rocking horses and similar toys which are covered by EN 71-1.

Carousels, rocking *activity toys* and similar toys shall comply with the following requirements:

When tested according to 6.1.1 (stability of *activity toys* with a *free height of fall* of 600 mm or less), toys shall not tip over.

When tested according to 6.2.1 (strength of toys other than *swings*), toys shall not *collapse*.

When measured from the ground and surface to any sitting or standing position, the maximum *free height of fall* for carousels and *rocking activity toys* shall not exceed 600 mm."

(See also amendment to A.7)

#### 6.1.2.3 Procedure

Replace third paragraph by:

*Activity toys* supplied with *removable* ground *anchors* shall be tested with *anchors* fixed to the standing surface according to the manufacturer's instructions.

**6.1.3 Stability of slides (see 4.5.1)**

Replace the second paragraph by:

*Slides* supplied with *removable* ground *anchors* shall be tested with *anchors* fixed to the standing surface according to the manufacturer's instructions.

Amend the first sentence of the third paragraph starting "Load the geometric centre ..." as follows:

"Load the geometric centre of all places where the child can sit or stand considering the intended use (starting section, ladder, run-out section, sliding section) with a mass of 50 kg  $\pm$  2 kg."

**6.1.4 Stability of swings and other activity toys with crossbeams (see 4.6.1)**

Introduce a new heading after 6.1.4 as follows:

**6.1.4.1 Stability of swings and other activity toys with crossbeams more than 1 200 mm over the ground (see 4.6.1.2)**

Change clause numbering as follows:

**6.1.4.1.1 Principle** (*previously 6.1.4.1*)**6.1.4.1.2 Apparatus** (*previously 6.1.4.2*)**6.1.4.1.3 Procedure** (*previously 6.1.4.3*)

Add a new test method:

**6.1.4.2 Stability of swings and other activity toys with crossbeams 1 200 mm or less over the ground intended for children under 36 months (see 4.6.1.3)**

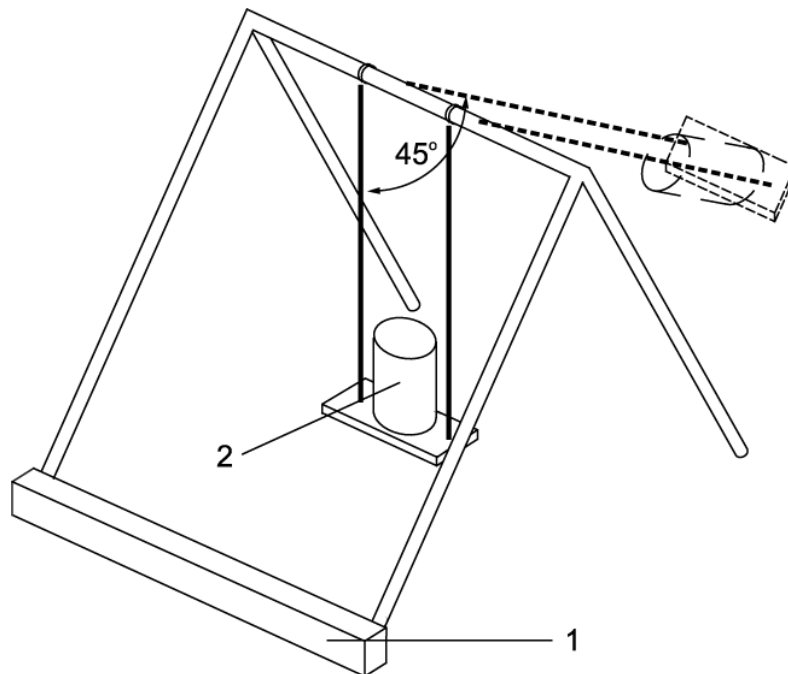
Place the toy on a horizontal surface. Blocks shall be used to prevent the front legs from slipping on the surface. They shall, however, not prevent the toy from overturning.

Load the seat with a mass of 25 kg  $\pm$  0,2 kg and secure it. The dimensions of the load are given in Figure 21 in EN 71-1:2005.

Raise the seat backwards to a position 45° from the vertical and release it (see figure in 6.1.4.2).

For *swings* where the seat cannot reach a position of 45° or more from the vertical, the seat shall instead be raised to the maximum possible angle from the vertical before it is released.

Observe whether the toy tips over.



**Key**

- 1 block for the front legs of the swing
- 2 mass of 25 kg

**Figure in 6.1.4.2 - Testing of stability of swing sets with crossbeams 1 200 mm or less over the ground**

## Annex A “Rationale”

### A.7 “Rocking horses and similar toys (see 4.8)”

In the heading replace “horses” by “activity toys”.

In the second line, replace “horses” by “activity toys”.

Add a new second paragraph:

“Bow-mounted rocking activity toys such as rocking horses and similar toys, are covered by EN 71-1”

**Add new A.8 as follows:**

#### “A.8 Corners and edges (see 4.1.3)”

The requirement for a 3 mm curvature radius on moving parts apply to *swings*, carousels and similar items involving a certain mass and speed. It does not apply to doors, lids and similar movable items. However, whenever possible, manufacturers are recommended to use generous radii in order to minimize hazards.

Note that all *edges* shall comply with the general requirements for sharp *edges* in EN 71-1.”