



**SLOVENSKI STANDARD**  
**SIST EN 71-1:2015/oprA3:2015**  
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**Varnost igráč - 1. del: Mehanske in fizikalne lastnosti**

Safety of toys - Part 1: Mechanical and physical properties

Sicherheit von Spielzeug - Teil 1: Mechanische und physikalische Eigenschaften

Sécurité des jouets - Partie 1: Propriétés mécaniques et physiques

**Ta slovenski standard je istoveten z: EN 71-1:2014/prA3:2015**

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## Safety of toys - Part 1: Mechanical and physical properties

Sécurité des jouets - Partie 1: Propriétés mécaniques et physiques

Sicherheit von Spielzeug - Teil 1: Mechanische und physikalische Eigenschaften

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 52.

This draft amendment A3, if approved, will modify the European Standard EN 71-1:2014. If this draft becomes an amendment, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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## Foreword

This document (EN 71-1:2014/prA3:2015) has been prepared by Technical Committee CEN/TC 52 "Safety of toys", the secretariat of which is held by DS.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA of EN 71-1:2014.

**EN 71-1:2014/prA3:2015 (E)****1 Modifications to Clause 2, Normative references**

Add:

"EN 15649-2:2009+A2:2013, *Floating leisure articles for use on and in the water — Part 2: Consumer information*".

Replace "EN 15649-3" with "EN 15649-3:2009+A1:2012".

**2 Modifications to 4.11, Mouth-actuated toys and other toys intended to be put in the mouth (see A.15)**

Add the following sentence and the following note before the first paragraph:

"Stoppers for air-inflation inlets on toys which can be inflated using the mouth are excluded from the requirements in 4.11.

NOTE Requirements for stoppers on air-inflation inlets are found in 4.18."

**3 Modifications to 4.15, Toys intended to bear the mass of a child (see A.20)**

In 4.15.1.5, 1<sup>st</sup> paragraph, add as 3<sup>rd</sup> dash the following:

"

- tricycles that are provided with a handle that can be used for pushing the child, and that comply with 4.15.1.6 d)".

In 4.15.1.6, replace the existing text in d) with the following:

d) "Toy bicycles and tricycles provided with a handle that can be used for pushing the child, shall be constructed in such a way as to prevent entrapment of the child's feet in the pedals etc. while being pushed e.g. pedals that can be disengaged from the hub, an adjustable *free-wheeling mechanism*, or foot rests. For designs other than those only involving foot rests the toy shall be accompanied by instructions for use which draw attention to the hazards of not making the correct adjustments when the push handle is removed."

**4 Modifications to 4.18, Aquatic toys and inflatable toys (see A.23)**

Delete a) and b) and replace them as below:

- a) "Air-inflation inlets on aquatic toys shall have stoppers. These stoppers shall;
- not detach from the toy when tested according to 8.3 (torque test), and 8.4.2.1 (tension test, general), and shall;
  - be capable of being pushed into the toy so that they do not protrude more than 5 mm from the surface of the toy when inflated.

- b) Stoppers, for air-inflation inlets on toys that can be inflated using the mouth shall not, when tested according to 8.3 (torque test) and 8.4.2.1 (tension test, general), produce any parts which fit entirely in the cylinder when tested according to 8.2 (small parts cylinder)."

*In the last paragraph replace "EN 15649-3" with "EN 15649-3:2009+A1:2012" and add at the end of the sentence "with an exclusion for the requirements in EN 15649-2:2009+A2:2013 for pictograms regarding "Not for children ... years of age and below", and "Safe distance to the shore ... m" (Figures 17 and 31 in EN 15649-2:2009+A2:2013)"*

*to read:*

"In addition, inflatable aquatic ride-on toys with a maximum dimension larger than 1,2 meters (e.g. large inflatable animals) measured on the uninflated toy, shall fulfill the applicable requirements for floating leisure articles, Class A 2 devices in EN 15649-3:2009+A1:2012 with an exclusion for the requirements in EN 15649-2:2009+A2:2013 for pictograms regarding "Not for children ... years of age and below", and "Safe distance to the shore ... m" (Figures 17 and 31 in EN 15649-2:2009+A2:2013)."

## **5 Modification to 8.7 Impact test (see 4.5, 4.6, 4.10.2, 4.14.2, 4.22, 4.23.2, 4.25, 5.1, 5.10, 5.12, 5.13 and A.38)**

*Add the following last sentence to the first paragraph:*

"If necessary the weight should be vertically guided to ensure consistency in the application of the test. Any guidance system should, as far as possible, be friction-free."

*to read:*

"Place the toy, or the relevant toy component, in its most onerous position on a plane horizontal steel surface and drop a metallic weight with a mass of  $(1 \pm 0,02)$  kg, distributed over an area with a diameter of  $(80 \pm 2)$  mm, through a distance of  $(100 \pm 2)$  mm on to the toy. If necessary the weight should be vertically guided to ensure consistency in the application of the test. Any guidance system should, as far as possible, be friction-free."

## **6 Modifications to A.13 Hinges (see 4.10.3)**

*Delete "only" in the second paragraph to read:*

"It is applicable to hinged assemblies in which both parts have a mass of 250 g or more and where the hinged moving part could be construed as a "door" or a "lid". For the purposes of this requirement, a door or lid can be defined as a closure of extended surface area with an extended *hinge line*. Other hinged parts without a significant surface area or *hinge line* would probably fall into the category of a folding mechanism (see 4.10.1, parts moving against each other, folding and sliding mechanisms)."

*Add after the 1<sup>st</sup> paragraph the following new paragraph:*

"The requirement is also applicable e.g. to the *hinge line* assembling the front fork and the bike frame in so called balance bikes".

## **7 Modification to A.15 Mouth-actuated toys and other toys intended to be put in the mouth (see 4.11)**

*Add the following new paragraph after the first paragraph:*

**EN 71-1:2014/prA3:2015 (E)**

"Only the stoppers for air-inflation inlets on inflatable toys which can be inflated using the mouth are excluded from the requirements in 4.11 since they are subject to specific requirements in 4.18."

**8 Modification to A.20 Toys intended to bear the mass of a child (see 4.15 and 7.10)**

*Add the below text at the end of the 9<sup>th</sup> paragraph:*

"Tricycles provided with a handle that can be used for pushing the child are also excluded from the braking requirements provided they are constructed so that entrapment of the child's feet can be avoided when being pushed, and provided that appropriate instructions for this feature are given. *Toy bicycles* are covered by a specific requirement to have brakes if they have a *free-wheeling mechanism* and this requirement applies regardless of whether or not they are equipped with a handle that can be used for pushing the child. *Toy bicycles* with a *fixed drive* are not required to have a brake but should they be equipped with one or more brakes, these have to comply with the performance requirements. "

**9 Modifications to A.23 Aquatic toys and inflatable toys (see 4.18 and 7.4)**

*Delete the 2<sup>nd</sup> paragraph and replace it as below:*

"The requirement that stoppers for air-inflation inlets on aquatic toys should not become detached from the toy is intended to ensure that a stopper that has become released from the air-inflation inlet can be easily found and reinserted. The requirement that stoppers can be pushed into the toy is intended to minimize the risk that the stopper be inadvertently removed from the inlet. It should be noted that stoppers are only required on inflatable *aquatic toys* but if stoppers are voluntarily supplied on other toys that can be inflated using the mouth, these are also covered by the requirement in 4.18 b). The requirement that small parts shall not be released from stoppers on any inflatable toys which can be inflated using the mouth is intended to address the hazards associated with small parts that are capable of causing choking, being inhaled or swallowed. Non-return valves that are often provided to facilitate the inflation of the toy are also covered by applicable requirements."

*In the 3<sup>rd</sup> paragraph, replace twice "EN 15649-3" with "EN 15649-3:2009+A1:2012".*

*Add at the end of the 3<sup>rd</sup> paragraph the following sentence:*

"The requirement excludes two pictograms that are in conflict with EN 71 -1."

*to read:*

"Inflatable boats and mattresses, which are larger than 1,2 m are not classified as toys but as floating leisure articles which are covered by the General Product Safety Directive. Aquatic ride-on toys such as inflatable dolphins and crocodiles are considered toys regardless of their size, but special safety requirements apply to such toys if they are larger than 1,2 meters since they are then considered to be sensitive to wind drift and thus present a risk of drifting away to deep water. Such toys need to fulfill the applicable requirements in both EN 71-1 and EN 15649-3:2009+A1:2012 (including requirements in other parts of EN 15649 to which EN 15649-3:2009+A1:2012 refers). The requirement excludes two pictograms that are in conflict with EN 71 -1."

**10 Modifications to A.48, Small balls (see 4.22 and 5.10)**

*In the 3<sup>rd</sup> paragraph replace twice "major and the minor" with "minor and major"*

*to read:*

"The definition in 3.5 refers to spherical, ovoid or ellipsoidal objects. There is presently no scientific data available to define an exact ratio between the minor and major axes in this definition. However, the present interpretation is that these objects would typically have a ratio between the minor and the major axes higher