



SLOVENSKI STANDARD
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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

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ICS:

97.200.50 Q|æ^ Toys

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ICS 97.200.50

English Version

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 unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 52.

This draft amendment A6, if approved, will modify the European Standard EN 71-1:2005. 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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Foreword

This document (EN 71-1:2005/prA6:2007) 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 Unique Acceptance Procedure.

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 EC Directive(s).

For relationship with EC Directive(s), see informative Annex ZA, which is an integral part of this document.

1 Modification to 4.8

Replace 4.8 c) with the following:

"c) Wires and other metallic components that are designed and intended to be bent, for example, in order to change the shape or position of a toy or part of a toy (e.g. in *soft-filled toys*), shall not break and produce hazardous sharp points, or protrude through any surface covering of the toy, when tested according to 8.13.2 (wires and other metallic components intended to be bent)."

Add new 4.8 d):

"d) Wires that are not designed to be bent but are likely to occasionally or accidentally be bent during play shall not break and produce hazardous sharp points, or protrude through any surface covering of the toy, when tested according to 8.13.3 (wires likely to be bent)."

2 Modification to 4.21

Replace the heading with the following:

"4.21 Toys containing a non-electrical heat source"

In the 1st paragraph, delete: ",light bulbs with 2,5 W or less,"

In c), insert the following new indent between the 1st and 2nd indent:

— "parts of glass or porcelain 50 K"

Add the following note:

"NOTE Requirements for toys containing an electrical heat source are given in EN 62115:2005."

3 Modification to 5.12

Delete the following indent of the exemptions:

"- objects intended for drinking (e.g. tea set cups)"

4 Modification to 8.6

Replace 8.6 with the following:

"Place the toy on a horizontal surface as prescribed in 8.5 (drop test) and attempt to tip it over by pushing the toy slowly past its centre of balance three times, one of which shall be in its most onerous position, by gradually applying a force, which is not to exceed 120 N, in a horizontal direction and 1 500 mm above the horizontal surface or at the top edge of the toy for toys less than 1 500 mm in height.

The original point of application relative to the toy shall be maintained, and the force shall remain horizontal, throughout the test. The vertical position of the point of application relative to the horizontal surface is permitted to increase during the test.

If a force greater than 120 N is required to bring the toy beyond its centre of balance, or if the vertical position of the point of application, relative to the horizontal surface, exceeds 1 800 mm, the tip-over test shall be stopped.

NOTE 1 800 mm corresponds to the length (95th percentile) of a 14-year-old child.

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 the tip-over test.

Determine whether small parts (8.2, small parts cylinder), hazardous sharp edges (8.11, sharpness of edges), hazardous sharp points (8.12, sharpness of points) or hazardous driving mechanisms (4.10.2, driving mechanisms) have become accessible and whether small *balls* (4.22 and 5.10, small balls) or hemispheric-shaped toys (5.12, hemispheric-shaped toys) have become detached."

5 Modification to 8.13

Subdivide and amend to read as follows:

"8.13.1 General

If the wire has a covering, apply the test to the wire in the condition in which it appears in the toy (i.e. do not remove the wire from the toy).

Grip the wire firmly between two metal cylinders, radiused pliers, or equivalent metal pieces with a diameter of (10 ± 1) mm. At a point 50 mm from the point of gripping or, if less than 50 mm protrudes, at the end of the wire, apply a force of (70 ± 2) N perpendicular to the wire. If the wire bends more than 60° , continue the test as follows.

Bend the wire from the upright position to one side through 60° , and then bend in the opposite direction through 120° , and finally return to the upright position. This is one cycle.

8.13.2 Wires and other metallic components intended to be bent

Perform the cycle described in 8.13.1 (general) 30 times at a rate of one cycle per 2 s with a 60 s rest period after each 10 cycles. To ensure that the wire or other metallic component bends at the point emerging from the cylinders, it shall be kept taut during the test.

Examine the wire or metallic component for breakage or hazardous sharp points (8.12, sharpness of points), removing any covering material, if applicable, to aid the examination.

8.13.3 Wires likely to be bent

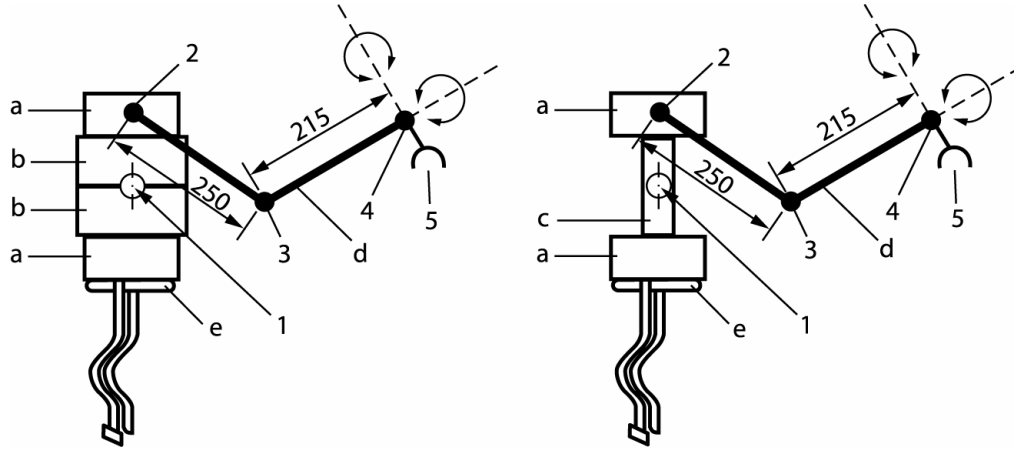
Perform the cycle described in 8.13.1 (general) one time.

Examine the wire for breakage or hazardous sharp points (8.12, sharpness of points), removing any covering material, if applicable, to aid the examination."

6 Modification to 8.22

Replace Figure 23 with the following:

"



"

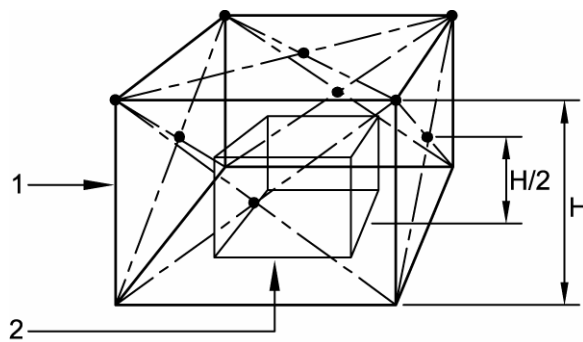
7 Modification to 8.28.2.3.4

Replace the 2nd sentence with the following:

"The sides of the measurement box with height H are always 50 cm from the sides of the reference box, except for the bottom of the boxes, which lie in the same plane."

Replace Figure 28 with the following:

"



"