



**SLOVENSKI STANDARD**  
**SIST EN 71-14:2015/oprA1:2016**  
**01-oktober-2016**

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**Varnost igrač - 14. del: Trampolini za domačo uporabo - Dopolnilo A1**

Safety of toys - Part 14: Trampolines for domestic use

Sicherheit von Spielzeug - Teil 14: Trampoline für den häuslichen Gebrauch

Sécurité des jouets - Partie 14 : Trampolines à usage familial

**Ta slovenski standard je istoveten z: EN 71-14:2014/prA1**

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**ICS:**

97.200.50      Igrače                                      Toys

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
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English Version

## Safety of toys - Part 14: Trampolines for domestic use

Sécurité des jouets - Partie 14 : Trampolines à usage  
familial

Sicherheit von Spielzeug - Teil 14: Trampoline für den  
häuslichen Gebrauch

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 A1, if approved, will modify the European Standard EN 71-14:2014. 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.

This draft amendment was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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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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## European foreword

This document (EN 71-14:2014/prA1:2016) 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 2009/48/EC.

## EN 71-14:2014/prA1:2016 (E)

**1 Modifications to 6.6 “Mat deflection test”**

**Replace the 3rd paragraph (including Formula (2)) with the following and renumber Formula (3):**

“Calculate the test load ( $F$ ) for mini trampolines according to Formula (2) and for medium and large trampolines according to Formula (3):

$$F(\text{kg}) = 2,5 \times \text{maximum user weight}(\text{kg}) \quad (2)$$

$$F(\text{kg}) = 5 \times \text{maximum user weight}(\text{kg}) \quad (3)”$$

**2 Modifications to Annex A “Rationale”**

**Replace A.9 with the following:**

“The intention of the requirement in 4.11 is to ensure that the distance of the *mat* to the ground or floor is sufficient in order to prevent the *mat* from contacting the ground or floor while the user is *bouncing*. Both static and dynamic forces are taken into account. For this reason a coefficient is used when calculating the mass to be used in the test of 4.11. During the elaboration of this standard, validating tests were made to ensure that this factor takes into account the average weight of the users and their rebound capacity.

The choice of applying a factor of 5 times the *maximum user weight* for the measurement of the mat deflection was based on:

- the European standards for gymnastic equipment EN 913 and EN 13219 and the Australian standard AS 4989:2015 “Trampolines for domestic use” which all apply this coefficient,
- the design of existing toy trampolines which, for the “large and medium trampoline” category, usually have a minimum frame height of 600 mm.

It should be noted that using frame heights below 600 mm while complying with the mat deflection test specified in this standard can induce hardening of suspension systems to the detriment of flexibility of the *mat*.

A tightening of rebounds area can, however, lead to musculoskeletal disorders of the joints of the lower limbs, pelvis and spine for the lightest users (children under 12 years).

Manufacturers shall therefore integrate this data as part of their safety assessment.”.

**3 Modifications to Bibliography**

**Add the following standard to the bibliography:**

“[3] AS 4989:2015. *Trampolines for domestic use — Safety aspects*”.