SLOVENSKI STANDARD
oSIST prEN 18102:2026

01-junij-2026

Izdelki za otroke - Varnostne ograje za otroške posteljice za domačo uporabo - Varnostne zahteve in preskusne metode

Child care articles - Children’s bedguards for domestic use - Safety requirements and test methods

Artikel für Säuglinge und Kleinkinder - Kinderbettschutzgitter für den Wohnbereich - Sicherheitstechnische Anforderungen und Prüfverfahren

Articles de puériculture - Barrières de lit pour enfant à usage domestique - Exigences de sécurité et méthodes d’essai

Ta slovenski standard je istoveten z: **prEN 18102**

ICS:

97.140	Pohištvo	Furniture
97.190	Otroška oprema	Equipment for children

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EUROPEAN STANDARD

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ICS 97.190

English Version

Child care articles - Children's bedguards for domestic use - Safety requirements and test methods

Articles de puériculture - Barrières de lit pour enfant à usage domestique - Exigences de sécurité et méthodes d'essai

Artikel für Säuglinge und Kleinkinder - Kinderbettschutzgitter für den Wohnbereich - Sicherheitstechnische Anforderungen und Prüfverfahren

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 252.

If this draft becomes a European Standard, 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.

This draft European Standard 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 (prEN 18102:2026) has been prepared by Technical Committee CEN/TC 252 “Child care articles”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

1 Scope

This document specifies safety requirements and test methods for children's bedguards for domestic use intended for use with junior or adult beds.

These bedguards, when used in conjunction with a bed/mattress combination, are intended to prevent children aged between 18 months and 4 years from falling out of bed.

This document is not applicable to bedguards designed for adult use, or to bedguards which are an integral part of a bed, i.e. a permanent fixture not intended to be detached.

If the bedguard has several functions or can be converted into another function, the relevant European standard(s) apply.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 71-2:2020+A1:2025, *Safety of toys — Part 2: Flammability*

EN 17826:2025, *Child care articles — Chemical hazards — Requirements*

EN ISO 2439:2008, *Flexible cellular polymeric materials — Determination of hardness (indentation technique) (ISO 2439:2008)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

3.1
underframe
part of the bedguard which fits under the mattress

Note 1 to entry: The underframe is sometimes referred to as the "arm", "leg" or "horizontal member".

3.2
single-sided bedguard
bedguard with a vertical element on one side of the bed only, intended to fit against one long side of a bed

3.3
double-sided bedguard
bedguard with a vertical element on both sides of the bed, intended to fit against both long sides of a bed

4 Test equipment

4.1 Tolerances

Unless otherwise specified, the accuracy of the test equipment shall be:

a) Forces: ±5 % of the nominal force;

b) Masses: ±0,5 % of the nominal mass;

c) Dimensions: ±1 mm;

d) Angles: ±0,5°;

e) Time: ±1 s.

The tests are described in terms of the application of forces. Masses can however be used. The relationship 10 *N* = 1 kg may be used for this purpose.

Unless otherwise specified, the test forces may be applied by any suitable device which does not adversely affect the results.

4.2 Test surface

A smooth, hard surface, e.g. of medium-density fibreboard.

4.3 Test mattress

Mattress, of dimensions (1 900 ± 10) mm x (762 ± 10) mm x (150 ± 10) mm, made from flexible polyether foam with a density of (30 ± 2) kg/m^3 and an indentation hardness index of (170 ± 20) N in accordance with A40 in EN ISO 2439:2008.

The test mattress shall have a light, soft cotton cover with a mass not greater than 120 g/m^2.

4.4 Small parts cylinder

Small parts cylinder for the assessment of small components, having dimensions in accordance with Figure 1.

Dimensions in millimetres

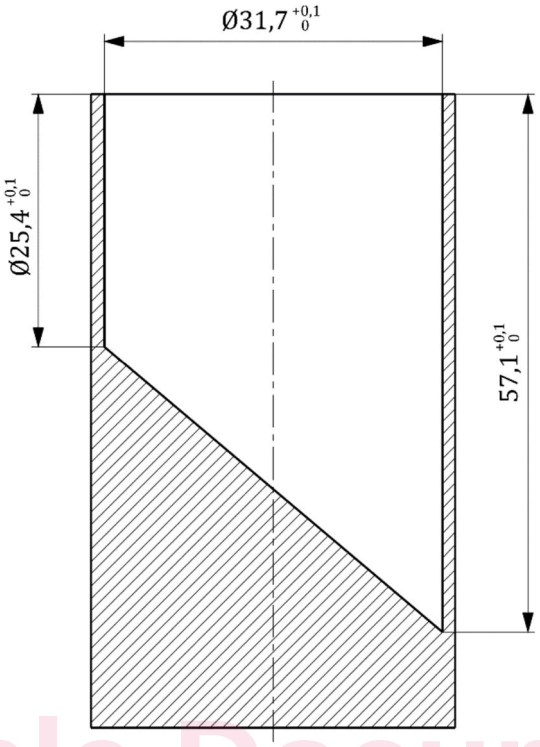

Figure 1 — Small parts cylinder

4.5 Test probes

Probes made from plastic or other hard, smooth material mounted on a force measuring device, one each of diameters $45_{+0}^{-0,1}$ mm and $65_{+0,1}^{0}$ mm with a rounded or conical end (see Figure 2).

Dimensions in millimetres

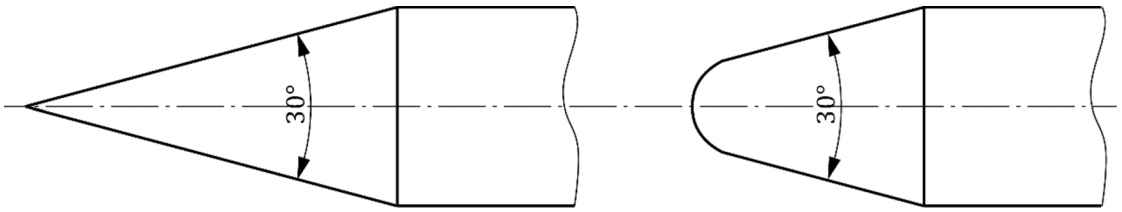

Figure 2 — Test probe

4.6 Feeler gauge

Feeler gauge with a thickness of (0,4 ± 0,02) mm and an insertion edge radius of approximately 3 mm (see Figure 3).