



SLOVENSKI STANDARD

SIST EN 716-1:2008

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**Pohištvo - Otroške postelje in zložljive posteljice za domačo uporabo - 1. del:
Varnostne zahteve**

Furniture - Children's cots and folding cots for domestic use - Part 1: Safety requirements

Möbel - Kinderbetten und Reisekinderbetten für den Wohnbereich - Teil 1:
Sicherheitstechnische Anforderungen

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Meubles - Lits a nacelle fixes et pliants a usage domestique pour enfants - Partie 1 :
Exigences de sécurité

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Pohištvo

Furniture

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EUROPEAN STANDARD

EN 716-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Furniture - Children's cots and folding cots for domestic use -
Part 1: Safety requirements**Meubles - Lits à nacelle fixes et pliants à usage domestique
pour enfants - Partie 1 : Exigences de sécuritéMöbel - Kinderbetten und Reisekinderbetten für den
Wohnbereich - Teil 1: Sicherheitstechnische Anforderungen

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This European Standard 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 CEN Management Centre has the same status as the official versions.

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Foreword

This document (EN 716-1:2008) has been prepared by Technical Committee CEN/TC 207 "Furniture", the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2008, and conflicting national standards shall be withdrawn at the latest by September 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 716-1:1995.

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EN 716-1:2008 (E)

1 Scope

This part of EN 716 specifies safety requirements for children's cots for domestic use with an internal length greater than 900 mm but not more than 1 400 mm.

The requirements apply to a cot that is fully assembled and ready for use.

Cots that can be converted into other items e.g. changing units, playpens should, when converted, comply with the relevant European standard for that item.

This standard does not apply to carry cots, cribs and cradles for which a separate European standard exists.

2 Normative references

The following referenced documents are indispensable for the application 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 71-1, *Safety of toys — Part 1: Mechanical and physical properties*

EN 71-2:2006, *Safety of toys — Part 2: Flammability*

EN 71-3, *Safety of toys — Part 3: Migration of certain elements*

EN 716-2:2008, *Children's cots and folding cots for domestic use — Part 2: Test methods*

EN 1103, *Textiles - Fabrics for apparel - Detailed procedure to determine the burning behaviour*

3 Terms and definitions

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

3.1

folding cot

cot which can be dismantled or folded without the use of a tool for transportation. This does not include items such as carry cots intended for transportation of infants

NOTE In some countries "folding cots" are also called "travel cots".

3.2

locking system

mechanism consisting of a locking device and one or more operating devices, which can deactivate the locking device, e.g. by pushing a button, pressing a lever or turning a knob

3.3

locking device

device intended to maintain the cot or parts of it in its intended position

3.4

shear and squeeze points

gaps which can cause harm to parts of the body and which occur when two accessible parts move relative to each other

3.5**accessible parts**

when a child's hand can not reach through sides or ends, accessible parts are the inside of the cot and the exterior of the cot 300 mm from the upper part of the rim. When a child's hand can reach through sides or ends, accessible parts are the whole cot except the underside of the cot base

3.6**mattress base**

cot base and mattress combined in one component

3.7**movable sides**

sliding sides, drop sides, folding sides, etc

4 Safety requirements**4.1 General**

With the exception of the requirements specified in clause 4.2, the requirements apply both before and after testing in accordance with EN 716-2.

4.2 Materials**4.2.1 Materials and surfaces**

The manufacturer/importer/retailer shall provide verification that all accessible parts meet the relevant requirements from EN 71-3.

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4.2.2 Flammability of textiles, coated textiles and plastics coverings

When tested in accordance with 5.4 of EN 71-2:2006, the maximum rate of spread of flame of textiles, coated textiles or plastic coverings shall be 30 mm/s.

When tested in accordance with EN 1103, there shall be no flash-effect.

4.3 Construction**4.3.1 General****4.3.1.1 Edges and protruding parts**

Edges and protruding parts accessible during normal use shall be rounded or chamfered and free of burrs and sharp edges.

4.3.1.2 Self-tapping screws

Self-tapping screws shall not be used to fasten any component that is designed to be removed or loosened when dismantling the cot for purposes of transportation or storage.

NOTE Self-tapping screws include wood screws, particleboard screws and the like.

4.3.1.3 Labels and decals

Glued labels and decals shall not be used on the internal surfaces of cot sides and ends.

EN 716-1:2008 (E)**4.3.1.4 Small parts**

When tested in accordance with 5.4 of EN 716-2:2008, no accessible part that can be detached shall fit wholly within the small parts cylinder.

4.3.1.5 Castors and wheels

Castors/wheels shall not be fitted except in the following configuration, either:

- a) two or more castors/wheels and at least two other support points, or,
- b) at least four castors/wheels, of which at least two can be locked.

4.3.2 Holes, gaps and openings on the inside of the cot**4.3.2.1 General**

With the exception of the holes, gaps and openings specified in 4.3.2.2, 4.3.2.3, 4.3.2.4, 4.3.2.5, 4.3.2.6, 4.3.4.2 and 4.3.4.3 all other accessible holes, gaps and openings shall be less than 7 mm, between 12 mm and 25 mm, or between 45 mm and 65 mm when tested in accordance with 5.3.1 of EN 716-2:2008.

4.3.2.2 Assembly holes

There shall be no accessible holes between 7 mm diameter and 12 mm diameter, unless the depth is less than 10 mm.

4.3.2.3 Distance between cot base and sides and ends

When tested in accordance with 5.3.1 of EN 716-2:2008, it shall not be possible for the 25 mm cone to pass between the cot base and the sides, and between the cot base and the ends.

4.3.2.4 Openings in mesh sides and ends

When the sides or ends are of mesh, it shall not be possible for the 7 mm cone as described in 5.3.1 of EN 716-2:2008 to pass through the holes of the mesh.

4.3.2.5 Distance between slats of the cot base

When tested in accordance with 5.3.1 of EN 716-2:2008, it shall not be possible for the 60 mm cone to pass between two adjacent slats of the cot base.

4.3.2.6 Openings in mesh of the cot base

When tested in accordance with 5.3.1 of EN 716-2:2008, it shall not be possible for the 85 mm cone to pass through a cot base made of mesh.

4.3.3 Head entrapment on the outside of the cot

The following requirements do not apply to cots that have mesh or fabric sides/ends and a rigid leg or support system, when the lowest part of the opening is less than 200 mm from the floor.

When tested in accordance with 5.3.2 of EN 716-2:2008, completely bound openings on the outside (exterior) of the cot that allow passage of the small head probe, shall also allow the large head probe to pass completely through the bound opening.

Completely bound openings that allow the large probe to pass completely through shall comply with the requirement for partially bound, V and irregular shaped openings when tested in accordance with 5.3.2 of EN 716-2:2008.

Partially bound, V and irregular shaped openings shall be constructed so that:

- a) portion B of the template does not enter the opening when tested in accordance with 5.3.2 of EN 716-2:2008; or
- b) apex of portion A of the template contacts the base of the opening when tested in accordance with 5.3.2 of EN 716-2:2008.

4.3.4 Shear and squeeze points

4.3.4.1 Shear and squeeze points when setting up and folding

If 4.3.4.2 or 4.3.4.3 are not applicable, shear and squeeze points that are created only when setting up or folding are permitted.

4.3.4.2 Shear and squeeze points under the influence of powered mechanisms

Where powered or spring loaded mechanisms are used, the distance between two accessible parts moving relative to each other shall always be greater than 18 mm or smaller than 5 mm.

4.3.4.3 Shear and squeeze points during use

There shall be no accessible shear and squeeze points which close to less than 18 mm unless they are always less than 5 mm during the last load application according to 5.8.1 of EN 716-2:2008.

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4.3.5 Snag points

When tested in accordance with 5.9 of EN 716-2:2008, the mass shall not be supported by any part accessible from inside the cot. Parts of cot sides and ends more than 1 400 mm above the cot base are considered not accessible.

4.3.6 Locking systems

4.3.6.1 Locking systems for folding cots

Folding cots that fold towards the inside shall be equipped with at least two locking systems fulfilling the requirements of 4.3.6.2.

In order to prevent a folding cot from folding unintentionally, all other folding cots shall be equipped with a locking system fulfilling the requirements of 4.3.6.2.

The cot shall not fold and the locking system shall fulfil its function when tested in accordance with 5.11 of EN 716-2:2008.

4.3.6.2 All locking systems

With the exception of the locks on castors/wheels, all locking systems shall:

- a) have a residual force of at least 50 N (tangential when relevant) for operation when tested in accordance with 5.11 of EN 716-2:2008; or