

STN	Detský nábytok Kolisky Bezpečnostné požiadavky a skúšobné metódy	STN EN 1130 91 1016
------------	---	---------------------------------------

Childrens furniture - Cribs - Safety requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/20

Obsahuje: EN 1130:2019

Oznámením tejto normy sa ruší
STN EN 1130-1 (91 1016) z októbra 2001

STN EN 1130-2 (91 1016) z októbra 2001

130673

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1130

November 2019

ICS 97.140; 97.190

Supersedes EN 1130-1:1996, EN 1130-2:1996

English Version

Children's furniture - Cribs - Safety requirements and test methods

Mobilier de puériculture - Berceaux - Exigences de sécurité et méthodes d'essai

Kindermöbel - Krippen - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 15 April 2019.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 1130:2019 (E)

Contents	Page
European foreword.....	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 General test conditions	7
4.1 Preliminary preparation	7
4.2 Application of Forces	7
4.3 Tolerances	8
4.4 Definition of the protected volume.....	8
5 Test equipment.....	8
5.1 General.....	8
5.2 Test mass.....	8
5.3 Entrapment test probes.....	8
5.3.1 Finger probes with hemispherical end	8
5.3.2 Finger probe for mesh	9
5.3.3 Other probes.....	9
5.3.4 Small head probe.....	9
5.3.5 Large head probe	10
5.3.6 Shape assessment probe	10
5.4 Side impactor.....	11
5.5 Stops.....	12
5.6 Small parts cylinder	12
5.7 Test platform	13
5.7.1 Mattress support	13
5.7.2 Test mattress	13
5.8 Test bar	13
5.9 Test plate.....	13
5.10 Template for V-shaped openings.....	14
5.11 Feeler gauge	15
5.12 Aluminium oxide abrasive paper.....	15
6 Chemical hazards (see A.2).....	15
6.1 Migration of certain elements	15
6.2 Formaldehyde	16
7 Flammability hazards (see A.3)	16
8 Mechanical hazards.....	16
8.1 Crib base inclination	16
8.2 Entrapment hazards from gaps and openings (see A.4)	16
8.2.1 Finger entrapment hazards.....	16
8.2.2 Other entrapment hazards	17
8.2.3 Entrapment hazards outside the crib	17
8.2.4 Test method for holes, gaps and openings.....	17
8.3 Hazards from moving parts.....	20
8.3.1 Shearing and crushing hazards.....	20
8.3.2 Hazards due to body weight.....	21

8.3.3	Hazards due to unintentional folding of the crib	21
8.4	Hazards due to the movements of the product (see A.5)	21
8.4.1	Hazards due to the movement of cradles and suspended cribs	21
8.4.2	Castors and wheels.....	22
8.4.3	Locking system for foldable or adjustable legs and feet	23
8.5	Falling hazards	23
8.5.1	Height of sides and ends.....	23
8.5.2	Hazards due to inadvertent release of adjustable sides.....	23
8.5.3	Locking system for adjustment in height or angle of the base	24
8.5.4	Stability (see A.6)	24
8.5.5	Structural integrity of suspended cribs.....	25
8.6	Entanglement hazards (see A.7).....	26
8.6.1	Requirements.....	26
8.6.2	Test method.....	26
8.7	Choking and ingestion hazards (see A.8)	27
8.7.1	Requirements.....	27
8.7.2	Test methods.....	27
8.8	Suffocation hazards.....	28
8.8.1	Hazards due to the deflection of the base.....	28
8.8.2	External suffocation hazards (see A.9)	29
8.8.3	Plastic packaging	29
8.9	Hazards from sharp points and edges.....	29
8.9.1	General requirement.....	29
8.9.2	Requirement on attachment devices for suspended cribs (see A.9).....	29
8.10	Hazards due to bedside sleeping (see A.11)	29
8.10.1	Hazards due to the drop side (see A.12)	29
8.10.2	Hazards from bedside sleepers disengagement (see A.13)	29
8.10.3	Bedside sleeper attachment system	30
8.11	Structural integrity	31
8.11.1	Connecting screws.....	31
8.11.2	Static strength.....	31
8.11.3	Strength of sides, structural members of the sides, ends and corners	32
8.11.4	Vertical static load.....	33
9	Mattresses	34
10	Product information (see A.14).....	34
10.1	General	34
10.2	Marking	34
10.3	Purchase information	35
10.4	Instructions for use.....	36
10.4.1	General	36
10.4.2	Warnings.....	36
10.4.3	Information for all cribs.....	36
10.4.4	Information for suspended cribs	37
10.4.5	Information for bedside sleepers	38
Annex A (informative)	Rationale	39
A.1	General	39
A.2	Rationale for Chemical Requirements (Clause 6).....	39
A.3	Rationale for requirements on ignitability and flash effect (Clause 7).....	39
A.4	Requirements for entrapment hazards (8.2)	40

EN 1130:2019 (E)

A.5	Requirements for hazards due to the movement of cradles and suspended cribs (8.4.1)	40
A.6	Requirements for stability (8.5.4)	40
A.7	Requirements for entanglement hazards (8.6).....	40
A.8	Requirements for choking hazards and ingestion hazards (8.7)	41
A.9	Requirements for external suffocation hazards (8.8.2).....	41
A.10	Requirements on attachment devices of suspended cribs (8.9.2)	41
A.11	Requirements for bed side sleepers (8.10)	41
A.12	Requirements for drop sides (8.10.1)	42
A.13	Requirements for hazards due to bedside sleepers disengagement (8.10.3).....	42
A.14	Product information (Clause 9)	42
Annex B (informative)	A-deviations	43
Bibliography		45

European foreword

This document (EN 1130:2019) 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 May 2020, and conflicting national standards shall be withdrawn at the latest by May 2020.

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

This document defines safety requirements and test methods for baby cribs and it was developed in support of the implementation of the General Product Safety Directive (Directive 2001/95/EC).

This document supersedes EN 1130-1:1996 and EN 1130-2:1996.

Compared to EN 1130-1:1996 and EN 1130-2:1996, the following modifications have been made:

- Combination of both parts of EN 1130:1996 in one document;
- Modification of the structure of the document to have a hazards-based approach;
- Introduction and update of the test methods from EN 1130-2:1996;
- Introduction of requirements and test methods for suspended cribs and bedside sleepers;
- Introduction of requirements concerning chemical and thermal hazards;
- Introduction of a A-deviation concerning flammability hazards;
- Introduction of a Rationale in Annex A.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 1130:2019 (E)**1 Scope**

This document specifies safety requirements and test methods for cribs (including cradles, suspended cribs and bedside sleepers) for domestic and non-domestic use.

The requirements apply to cribs with a maximum internal length of crib base of 900 mm which are intended to provide sleeping accommodation for infants, until they are able to sit unaided or pull or push themselves up on their hands and knees.

This document does not apply to electrical safety.

It does not apply to cribs used for medical purposes or used in hospitals.

Products that can be converted into other items may be covered by other relevant European Standards.

Annex A (informative) includes a rationale.

Annex B (informative) includes an A-deviation.

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 71-1:2014+A1:2018, *Safety of toys — Part 1: Mechanical and physical properties*

EN 71-2:2011+A1:2014, *Safety of toys — Part 2: Flammability*

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

EN 16890, *Children's furniture — Mattresses for cots and cribs — Safety requirements and test methods*

EN ISO 14184-1, *Textiles — Determination of formaldehyde — Part 1: Free and hydrolysed formaldehyde (water extraction method) (ISO 14184-1)*

ISO 48-5, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 5: Indentation hardness by IRHD pocket meter method*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN