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Nadomešča:
SIST EN 1930:2012

Izdelki za otroke - Varnostne pregrade - Varnostne zahteve in preskusne metode

Child care articles - Safety barriers - Safety requirements and test methods

Artikel für Säuglinge und Kleinkinder - Kinderschutzgitter - Sicherheitstechnische Anforderungen und Prüfverfahren

Articles de puériculture - Barrières de sécurité - Exigences de sécurité et méthodes d'essai

Ta slovenski standard je istoveten z: prEN 1930

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Child care articles - Safety barriers - Safety requirements and test methods

Articles de puériculture - Barrières de sécurité -
Exigences de sécurité et méthodes d'essai

Artikel für Säuglinge und Kleinkinder -
Kinderschutzgitter - 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.

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

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

Contents	Page
European foreword	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Test equipment	6
4.1 Tolerances for test equipment.....	6
4.2 Hip probe	7
4.3 Foothold template	7
4.4 Finger probes	8
4.4.1 Test probes with hemispherical end	8
4.4.2 Probe for mesh.....	8
4.4.3 Shape assessment probe	8
4.5 Ball chain loop and spherical mass	9
4.6 Feeler gauge.....	10
4.7 Small parts cylinder	11
4.8 Test frame.....	11
4.9 Rattle test equipment.....	13
4.10 Push-pull test equipment.....	14
4.11 Test impactor	17
4.12 Loading pad.....	19
5 Chemical hazards	19
5.1 General.....	19
5.2 Migration of certain elements.....	19
6 Conditioning	19
7 Mechanical testing	20
7.1 General.....	20
7.2 Protective function.....	20
7.2.1 Protective height requirements	20
7.2.2 Test methods	20
7.3 Gaps.....	25
7.3.1 Requirements.....	25
7.3.2 Test method	25
7.4 Opening and closing system.....	25
7.4.1 Requirements.....	25
7.4.2 Test methods	26
7.5 Entrapment hazards	26
7.5.1 Requirements for openings – finger entrapment.....	26
7.5.2 Test method	26
7.6 Shearing and crushing hazards.....	26
7.6.1 Requirements.....	26
7.6.2 Test method	27
7.7 Protrusion/projection hazards	27
7.7.1 Requirements.....	27
7.7.2 Test method	27

7.8	Choking and ingestion hazards	27
7.8.1	Requirements	27
7.8.2	Test methods	27
7.9	Suffocation hazards	28
7.10	Hazardous edges and points	29
7.10.1	General	29
7.10.2	Requirements for edges on tubes	29
7.10.3	Requirements for points	29
7.11	Structural integrity	29
7.11.1	Materials	29
7.11.2	Effectiveness of the fixing, locking devices and opening systems	29
7.12	Security of the safety barrier from impact	30
7.12.1	Requirements	30
7.12.2	Test method	30
8	Thermal hazards for safety barriers with fabric components	31
8.1	Requirements	31
8.2	Test method	32
9	Additional hazards	32
9.1	Use of a tool	32
9.2	Toys	32
10	Product information	32
10.1	General	32
10.2	Marking requirements	32
10.3	Purchase information	32
10.4	Instructions for use	33
10.4.1	General	33
10.4.2	Warnings	33
10.4.3	Additional information	34
Annex A (informative)	Rationales	36
A.1	General	36
A.2	Chemical hazards (see Clause 5)	36
A.3	Mechanical hazards (see Clause 7)	36
A.3.1	Protective height (see 7.2)	36
A.3.2	Gaps (see 7.3)	36
A.3.3	Opening and closing system (see 7.4)	36
A.3.4	Entrapment hazards (see 7.5)	37
A.3.5	Shearing and crushing hazards (see 7.6)	37
A.3.6	Protrusion hazards (see 7.7)	37
A.3.7	Choking and ingestion hazards (see 7.8)	37
A.3.8	Suffocation hazards (see 7.9)	37
A.3.9	Hazardous edges and points (see 7.10)	37
A.3.10	Connecting screws (see 7.11.1.2)	38
A.3.11	Effectiveness of the fixing, locking devices and opening systems (see 7.11.2)	38
A.3.12	Security of the safety barrier from impact (see 7.12)	38

prEN 1930:2023 (E)

A.4	Thermal hazards (see Clause 8)	38
A.4.1	Shape assessment probe	38
A.5	Additional hazards (see 9.1)	38
A.6	Toys (see 9.2)	38
A.7	Purchase information (see 10.3).....	38
Annex ZA	(informative) Relationship between this European Standard and the safety requirements of Directive 2001/95/EC aimed to be covered	39
Bibliography	43

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[oSIST prEN 1930:2023](#)

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European foreword

This document (prEN 1930:2023) 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 will supersede EN 1930:2011.

In comparison with the previous edition EN 1930:2011, the following technical modifications have been made:

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.

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prEN 1930:2023 (E)

1 Scope

This document specifies the safety requirements and test methods for child safety barriers for domestic indoor use which are designed to be fitted across openings to limit a child's access inside the home and to prevent young children up to 24 months of age passing through.

This document does not apply to products designed to be fitted across windows.

If the safety barrier has other functions not covered in this document, reference is made to the relevant European standard.

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, *Safety of toys — Part 2: Flammability*

EN 71-3:2019+A1:2021, *Safety of toys — Part 3: Migration of certain elements*

3 Terms and definitions

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

ISO and IEC maintain terminological 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

opening system

system allowing access by releasing the locking device(s) and opening the safety barrier or a section of the safety barrier or by removing the safety barrier

3.2

closing system

system restricting access by closing and activating the locking device(s) which can be operated with or without the intervention of the user

4 Test equipment

4.1 Tolerances for test equipment

Unless otherwise stated, the following tolerances apply:

- forces: $\pm 5 \%$;
- masses: $\pm 0,5 \%$;
- dimensions: $\pm 1,0 \text{ mm}$;
- angles: $\pm 2^\circ$;
- positioning of loading pads: $\pm 5 \text{ mm}$;

— duration of forces: (2 ± 1) s for durability tests; (10 ± 2) s for static load tests.

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

4.2 Hip probe

A probe made from Polyoxymethylen (POM) plastic with the dimensions given in Figure 1.

Dimensions in millimetres

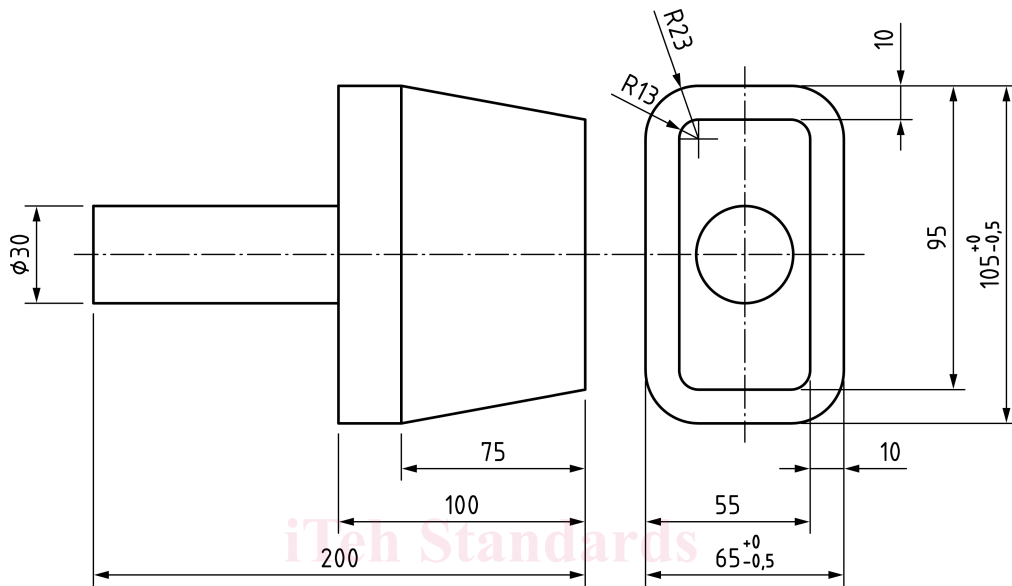


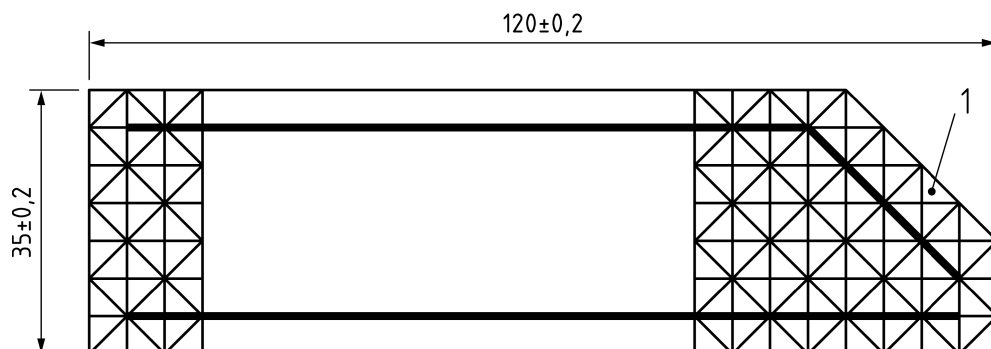
Figure 1 — Hip probe

4.3 Foothold template

A strip of 10 mm thick transparent rigid material shall be cut to the shape as shown in Figure 2.

The sides of the template shall be square to the faces. All edges and corners shall be left as machined without any radius.

Dimensions in millimetres



Key

- 1 triangular cells plotted on a $5 \times 5 \pm 0,2$ grid

Figure 2 — Template for foothold test (example of left-hand template)

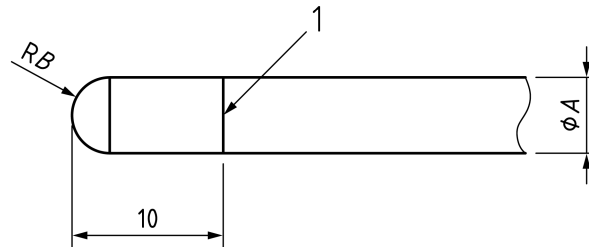
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4.4 Finger probes

4.4.1 Test probes with hemispherical end

Probes shall be made from plastic or other hard, smooth material of diameters $\left(5_{-0,1}^0\right)$ mm, $\left(7_{-0,1}^0\right)$ mm and $\left(12_{0}^{+0,1}\right)$ mm with a full hemispherical end that can be mounted on a force-measuring device, see Figure 3.

Dimensions in millimetres



Key

Probe type	5 mm probe	7 mm probe	12 mm probe
Diameter ØA	$\left(5_{-0,1}^0\right)$	$\left(7_{-0,1}^0\right)$	$\left(12_{0}^{+0,1}\right)$
Radius RB	Half of diameter A	Half of diameter A	Half of diameter A
1	line scribed around circumference showing depth of penetration		

Figure 3 — Test probes with hemispherical end

4.4.2 Probe for mesh

Mesh probe shall be made from plastic or other hard, smooth material with the dimensions shown in Figure 4.

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Dimensions in millimetres

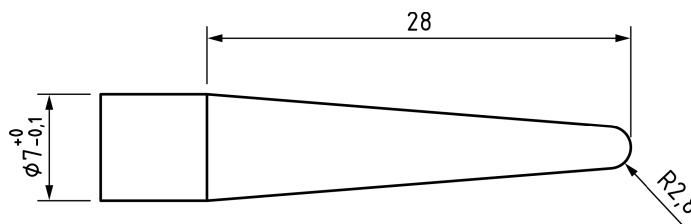
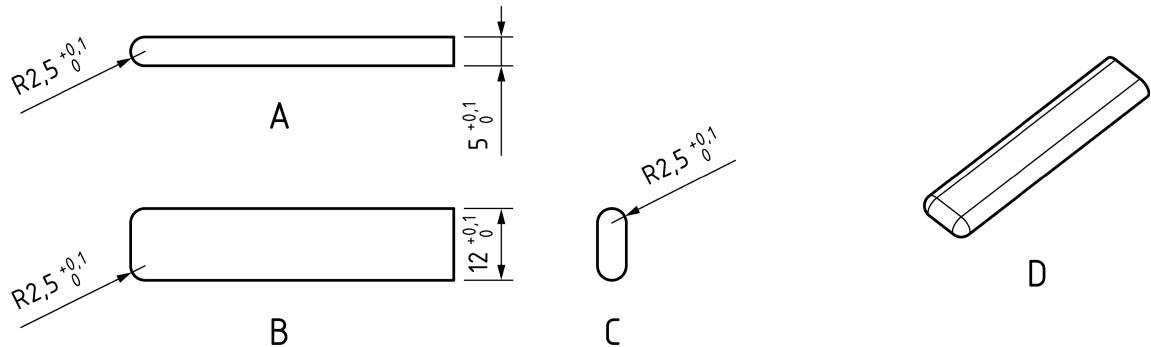


Figure 4 — Test probe for mesh

4.4.3 Shape assessment probe

Probe shall be made from plastic or other hard, smooth material with the dimensions shown in Figure 5.

Dimensions in millimetres

**Key**

- A front view
- B top view
- C side view
- D 3D view

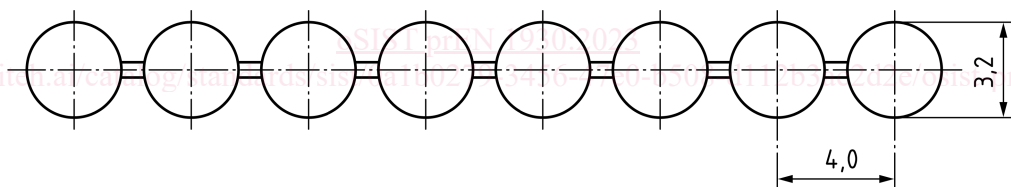
Figure 5 — Shape assessment probe**4.5 Ball chain loop and spherical mass**

This equipment comprises a ball chain loop attached to a spherical mass at a common fixing point. See Figure 6.

The ball chain comprises a maximum of 10 balls per 40 mm, equally distributed along the length of the chain when the chain is loaded with a mass of 2,5 kg.

The diameter of each ball shall be $(3,2 \pm 0,2)$ mm.

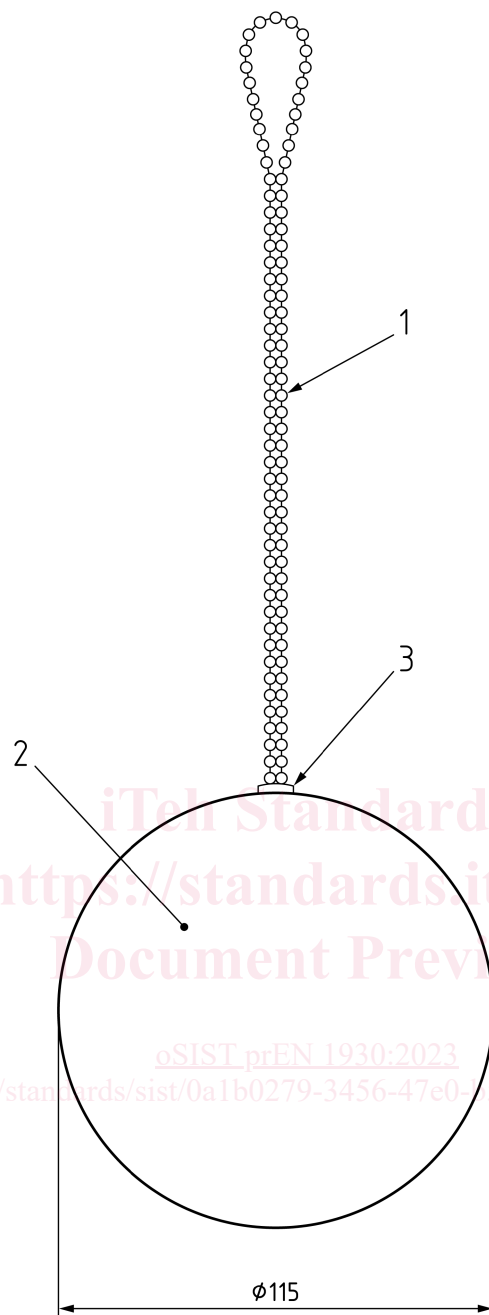
Dimensions in millimetres

**Figure 6 — Ball chain**

The ball chain loop is formed by the ball chain entering the spherical mass at a common fixing point with a ball from each side of the chain in contact with each other. The external peripheral length of the ball chain loop shall be 400^{+5} mm. See Figure 7.

A smooth spherical mass of $(2,5 \pm 0,05)$ kg and a diameter of 115 mm.

Dimensions in millimetres

**Key**

- 1 ball chain loop
- 2 spherical mass
- 3 common fixing point

Figure 7 — Ball chain loop and spherical mass**4.6 Feeler gauge**

The feeler gauge shall have a thickness of $(0,4 \pm 0,02)$ mm, with the end to be inserted having a radius of approximately 3 mm. See Figure 8.