



**SLOVENSKI STANDARD**  
**oSIST prEN 1466:2018**  
**01-julij-2018**

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**Izdelki za otroke - Prenosne posteljice in podstavki - Varnostne zahteve in preskusne metode**

Child use and care articles - Carry cots and stands - Safety requirements and test methods

Artikel für Säuglinge und Kleinkinder - Tragetaschen und Ständer - Sicherheitstechnische Anforderungen und Prüfungen

Articles de puériculture - Couffins et supports - Exigences de sécurité et méthodes d'essai

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**Ta slovenski standard je istoveten z: prEN 1466**

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Otroška oprema

Equipment for children

**oSIST prEN 1466:2018**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 1466**

May 2018

ICS

Will supersede EN 1466:2014

English Version

**Child use and care articles - Carry cots and stands - Safety requirements and test methods**

Articles de puériculture - Couffins et supports -  
Exigences de sécurité et méthodes d'essai

Artikel für Säuglinge und Kleinkinder - Tragetaschen  
und Ständer - Sicherheitstechnische Anforderungen  
und Prüfungen

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

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

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## European foreword

This document (prEN 1466:2018) has been prepared by Technical Committee CEN/TC 252 “Child use and care articles”, the secretariat of which is held by AFNOR.

This document will supersede EN 1466:2014.

In comparison with EN 1466:2014 the significant technical changes relate to the following issues:

- introduction of new chemical requirement following CEN/TR 13387 revision.
- clarification of clause of the restraints system. (7.1.5)
- improvement of requirement and test method for soft carry cot (7.1.2.3 and 7.1.2.4)
- introduction of new requirements and test methods to cover suffocation hazard (7.6.)
- improvement of instruction of used especially concerning the use of soft carry cot.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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## 1 Scope

This document specifies safety requirements and test methods for products which are intended for the purpose of carrying a child in a lying position by means of handle(s) and for stands which may be used in conjunction with these products (see C.2).

These products are intended for a child who cannot sit unaided, roll over or push up on its hands and knees, with a maximum weight of 9 kg. Hereafter, in this document these products are called “carry cots” and include all types of carry cot with rigid or soft sides as well as moses baskets and any similar products.

This document has not considered the requirements of children with special needs.

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

EN 717-1, *Wood-based panels - Determination of formaldehyde release - Part 1: Formaldehyde emission by the chamber method*

EN 71-10:2005, *Safety of toys - Part 10: Organic chemical compounds - Sample preparation and extraction*

EN 71-11, *Safety of toys - Part 11: Organic chemical compounds - Methods of analysis*

## 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:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

### 3.1

#### carry cot

product comprising a base, sides, ends and carrying handle(s), within which a child can be laid down and transported by hand

### 3.2

#### stand

static structure designed to accommodate and support a carry cot



### 3.3

#### car seat

Child Restraint System (CRS) capable of being anchored in a power-driven vehicle, so designed as to diminish the risk of injury to the wearer, in the event of a collision or of abrupt deceleration of the vehicle, used for children up to 13 kg or 15 months (83 cm)

Note 1 to entry: Child Restraint Systems are covered by UNECE regulations.

Note 2 to entry: arrangement of approval marks is shown in Annex D.

### 3.4

#### protected volume

volume accessible by the child (occupant) when lying in the carry cot where specific safety requirements are necessary

## 4 General requirements and test conditions (see C.3)

### 4.1 General

The carry cot shall be tested when assembled for normal use in accordance with the manufacturer's instructions.

Any other functions of the product shall comply with relevant European Standards.

### 4.2 Conditioning

Any fabric intended to be washed/cleaned shall be washed/cleaned and dried twice in accordance with the manufacturer's instructions.

Any resulting shrinkage shall not prevent the fabric from being refitted without damaging the seams of the fabric or impairing the performance of the carry cot.

### 4.3 Accuracy of test equipment

Unless otherwise stated the accuracy of the test equipment shall be

- forces  $\pm 5\%$ ,
- masses  $\pm 0,5\%$ ,
- dimensions  $\pm 0,5\text{ mm}$ ,
- timing  $\pm 1\text{ s}$ ,
- angles  $\pm 0,5^\circ$ .

### 4.4 Determination of a protected volume

The protected volume is determined by

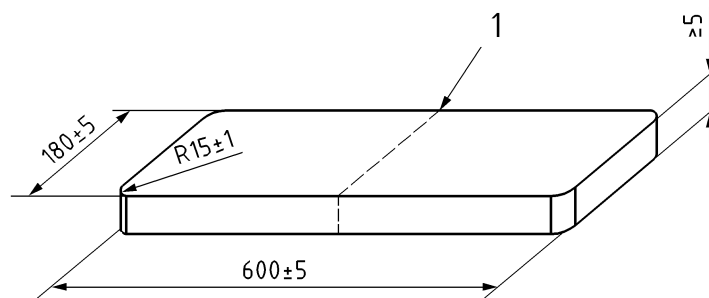
- the inner upper surface that supports the child, and
- the inner surface of the sides and ends of the carry cots.

## 5 Test equipment

### 5.1 Test plate

A rigid steel plate  $(600 \pm 5)$  mm long and  $(180 \pm 5)$  mm wide, having a mass of  $9_0^{+0,01}$  kg hinged along the centre line (see Figure 1), the movement shall be free in the two directions.

Dimensions in millimetres



#### Key

1 hinge line

**Figure 1 — Test plate**  
(standards.iteh.ai)

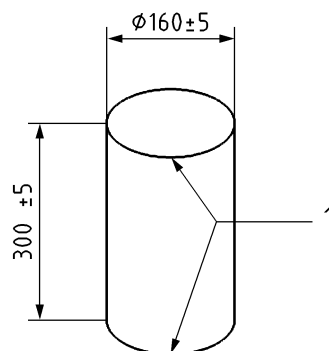
### 5.2 Test mass

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A rigid cylinder  $(160 \pm 5)$  mm in diameter and  $(300 \pm 5)$  mm in height, having a mass of  $9_0^{+0,01}$  kg and with its centre of gravity in the centre of the cylinder. All edges shall have a radius of  $(5 \pm 1)$  mm (see Figure 2).

Dimensions in millimetres



#### Key

1 radius  $r = (5 \pm 1)$  mm

**Figure 2 — Test mass**

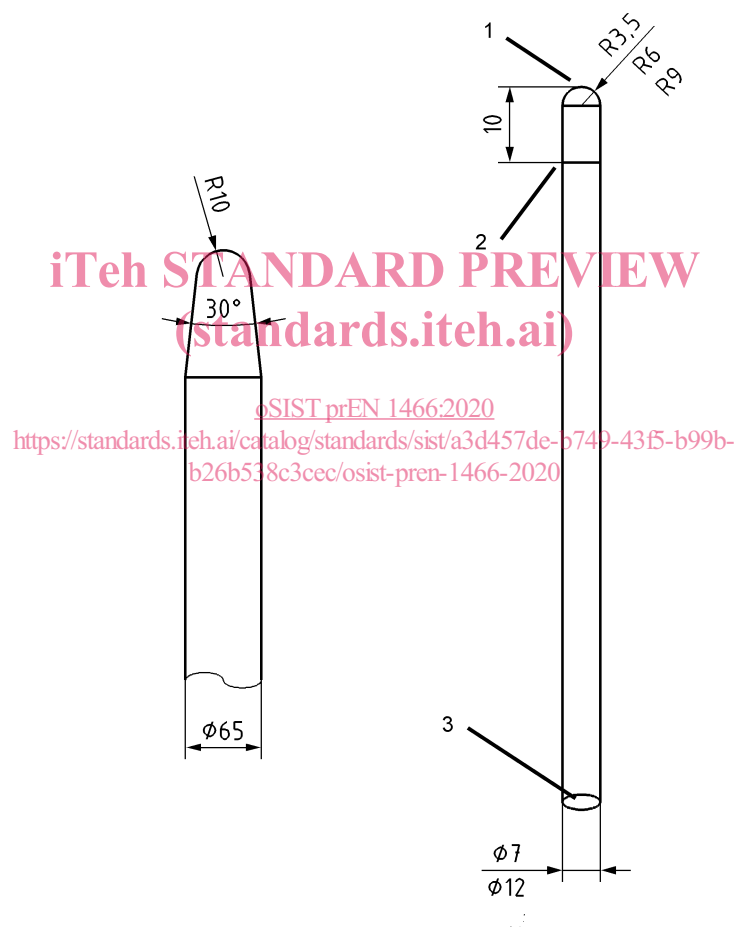
### 5.3 Test probes

Probes made from plastics or other hard, smooth material of diameters  $(7^{+0}_{-0,1})$  mm and  $(12^{+0,1}_{-0})$  mm, with a full hemispherical end (see Figure 3a)).

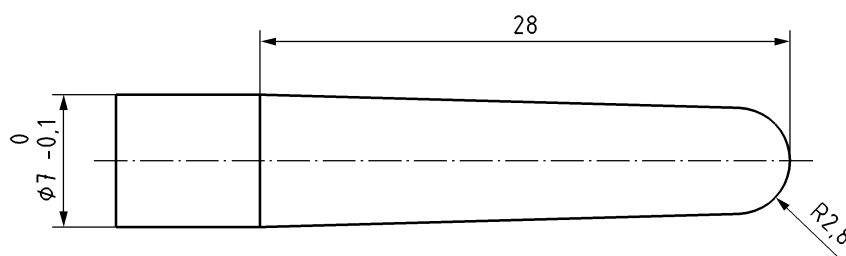
Probe for assessing mesh made from plastics or other hard, smooth material (see Figure 3b)) which shall be capable of being mounted on a force measuring device, so that the conical end can be presented to the opening being assessed.

Probe made from plastic or other hard, smooth material of diameter  $(65^{+0,1}_{-0})$  mm. One end shall be conical with an angle of  $30^\circ$  with a radius of 10 mm at the end (see Figure 3a)).

Dimensions in millimetres



a) Test probes



### b) Test probe for checking meshes

#### Key

- 1 hemispherical end
- 2 scribed line around circumference
- 3 7 mm and 12 mm

Figure 3 — Test probes

## 5.4 Small parts cylinder

Cylinder having dimensions as shown in Figure 4.

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Dimensions in millimetres

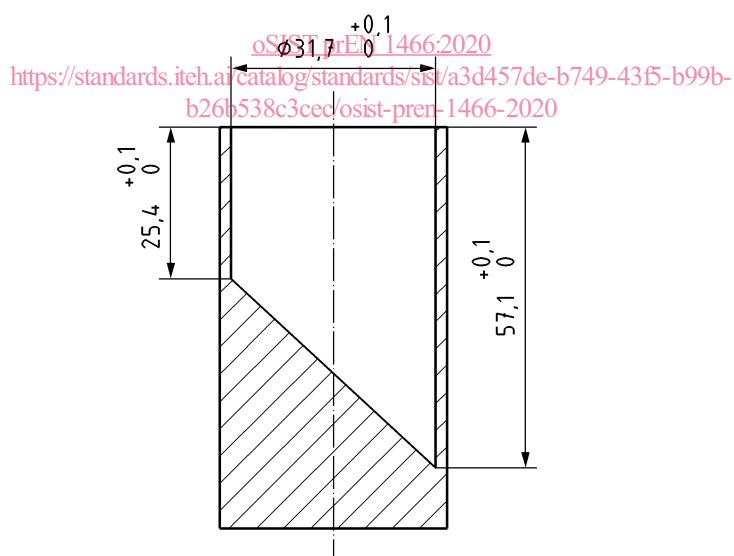


Figure 4 — Small parts cylinder

## 5.5 Test bar A

A metal bar having a cross section of 40 mm × 40 mm with edges having a radius of 5 mm.

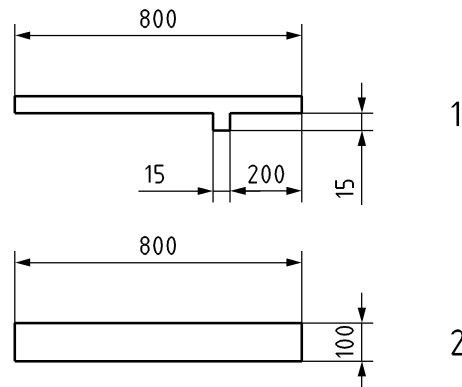
## 5.6 Test bar B

A metal bar having a length at least the length of the carry cot, a cross section of (25 × 25) mm and with a mass of 750 g.

## 5.7 Datum board

A rigid plate as shown in Figure 5.

Dimensions in millimetres



### Key

- |   |            |              |
|---|------------|--------------|
| 1 | front view | mass: 1,5 kg |
| 2 | top view   |              |

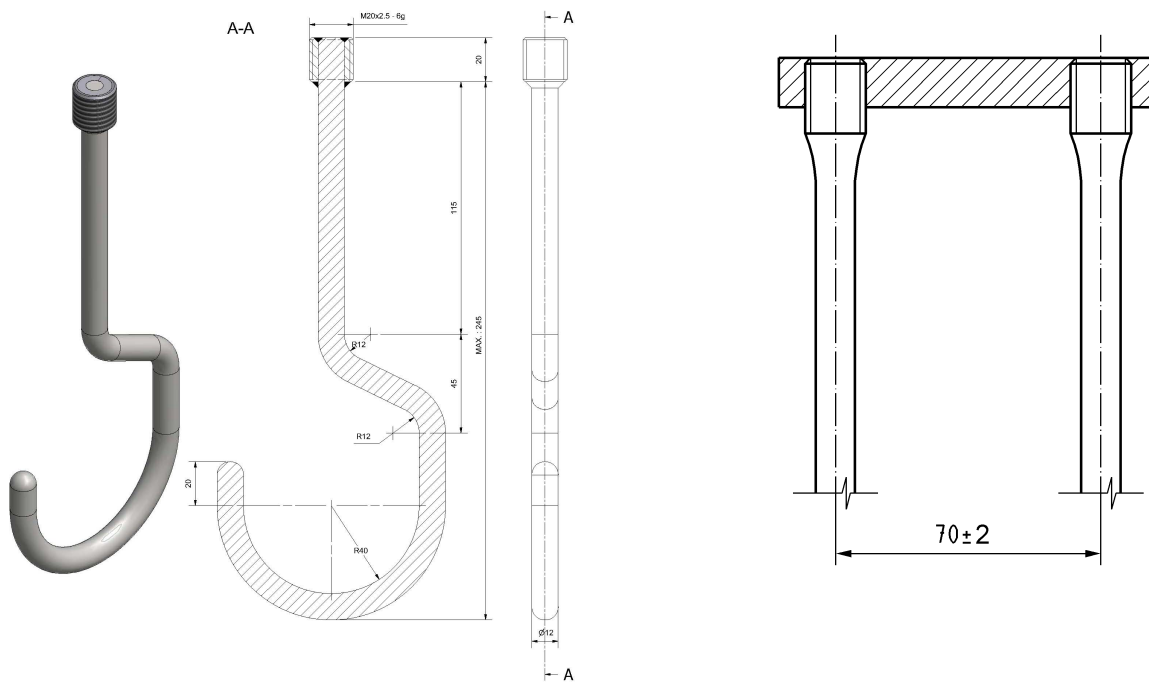
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**Figure 5 — Datum board**

## 5.8 Metal hooks

The distance between the central axis of two hooks shall be (70 ± 2) mm (see Figure 6).

Dimensions in millimetres



Tolerance of dimension:  $\pm 2$  excepted for the  
12 mm diameter

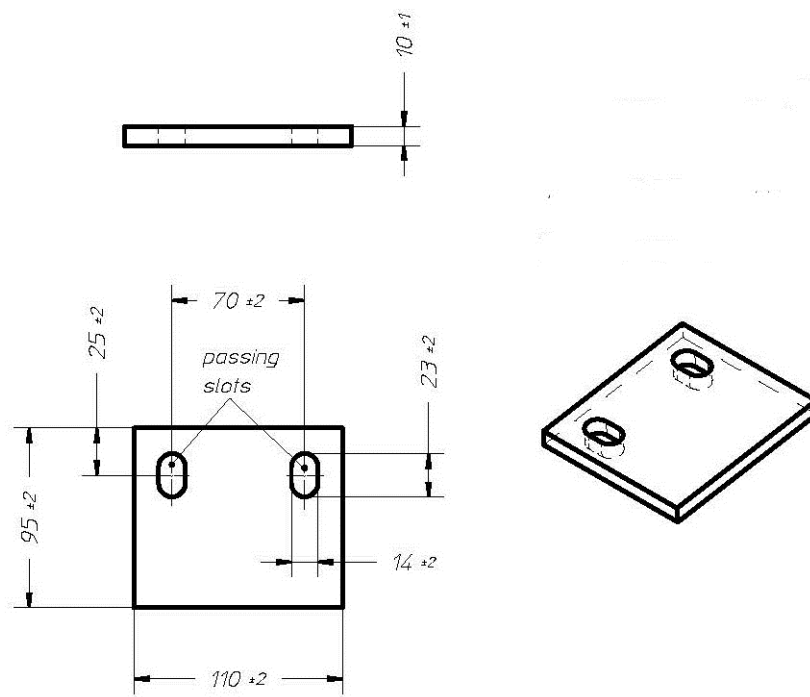
a)

b)

Figure 6 — Metal hooks

## 5.9 Rubber adaptor

Hardness:  $70 \pm 5$  Shore A - Thickness:  $10 \text{ mm} \pm 1$



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Figure 7 — Apparatus for dynamic strength test  
(standards.iteh.ai)

### 5.10 Apparatus for dynamic strength test

As shown in Figure 8.