



# SLOVENSKI STANDARD

## SIST EN 1272:2017

01-julij-2017

Nadomešča:  
SIST EN 1272:2002

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**Izdelki za otroke - Stoli, ki se pritrdijo na mizo - Varnostne zahteve in preskusne metode**

Child care articles - Table mounted chairs - Safety requirements and test methods

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

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Articles de puériculture - Sièges de table - Exigences de sécurité et méthodes d'essai

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**Ta slovenski standard je istoveten z: EN 1272:2017**

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**ICS:**

97.140	Pohištvo	Furniture
97.190	Otroška oprema	Equipment for children

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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## Child care articles - Table mounted chairs - Safety requirements and test methods

Articles de puériculture - Sièges de table - Exigences de sécurité et méthodes d'essai

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

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## European foreword

This document (EN 1272:2017) has been prepared by Technical Committee CEN/TC 252 “Child use and care articles”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by November 2017, and conflicting national standards shall be withdrawn at the latest by May 2018.

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 supersedes EN 1272:1998.

This document has been prepared under a mandate M/527 given to CEN by the European Commission and the European Free Trade Association.

EN 1272:2017 includes the following significant technical changes with respect to EN 1272:1998:

- full rewrite of the standard in hazard based approach;
- updating of definitions;
- updating of requirements and test methods to the latest state of the art adopted on other child care article standards;
- updating of heavy metals requirements and introduction of formaldehyde requirements;
- modification of thermal hazards by addition of requirements for flame propagation;
- introduction of requirements and test methods to prevent feet-first head entrapment;
- updating of restraint system requirements;
- modification of bouncing performance requirements and test method.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**EN 1272:2017 (E)****1 Scope**

This European Standard specifies safety requirements and test methods for table mounted chairs, intended for children who are able to sit unaided up to a maximum weight of 15 kg.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

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*

EN 20105-A03, *Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining (ISO 105-A03:1993)*

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

EN 622-1, *Fibreboards - Specifications - Part 1: General requirements*

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

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.

**3.1****table mounted chair**

chair used for children that is intended to be attached to a table

**3.2****restraint system**

system to restrain the child within the table mounted chair

**3.3****waist restraint**

part of the restraint system that restrains the child in the waist area

**3.4****crotch restraint**

part of the restraint system that fits between the child's legs



**3.5****anchoring supports**

devices designed to fix the table mounted chair to the table

**3.6****folding system**

assembly of parts which enables the structure of the table mounted chair to be changed from an unfolded position to a folded position and vice versa under the control of the carer

**3.7****seat unit**

part of the product comprising the sitting surface, backrest and lateral protection

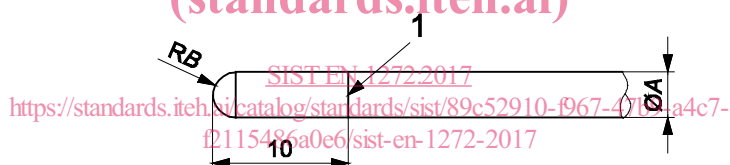
**4 Test equipment****4.1 Test probes for finger entrapment**

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

Probe for mesh made from plastics or other hard, smooth material, with a full hemispherical end and dimensions as stated in Figure 2, that can be mounted on a force-measuring device.

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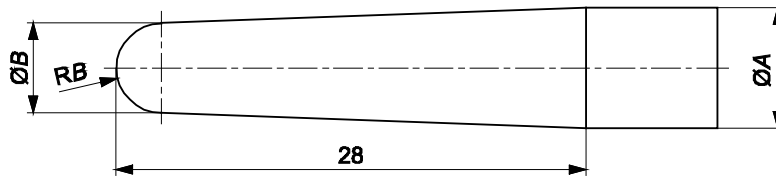
Dimensions in millimetres

**Key**

Probe type	7 mm probe	12 mm probe
Diameter A	$7_{-0,1}^0$	$12_{0}^{+0,1}$
Radius RB	half of diameter A	half of diameter A
1	Line scribed around circumference showing depth of penetration	

**Figure 1 — Test probes with hemispherical end**

Dimensions in millimetres

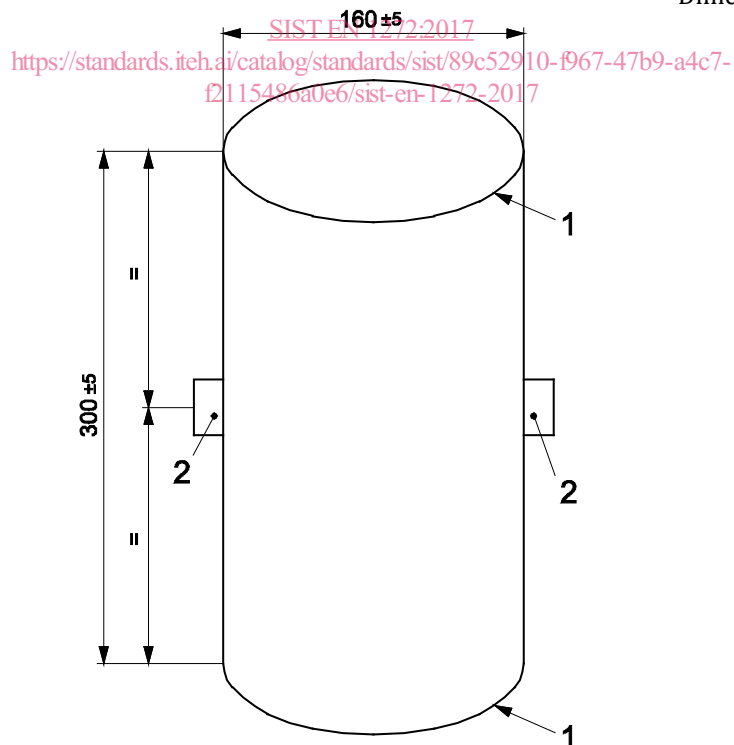
**Key**

Probe type	Mesh probe
Diameter A	$7_{-0,1}^0$
Diameter B	$5,6_{-0,1}^0$
Radius RB	half of diameter B

**Figure 2 — Test probe for mesh with hemispherical end****4.2 Test masses****4.2.1 Test mass A**

A rigid cylinder ( $160 \pm 5$ ) mm in diameter and ( $300 \pm 5$ ) mm in height, having a mass of 9 kg and with its centre of gravity in the centre of the cylinder. All edges shall have a radius of ( $5 \pm 1$ ) mm. Two anchorage points shall be provided. These shall be positioned ( $150 \pm 2,5$ ) mm from the base and at  $180^\circ$  to each other around the circumference (see Figure 3).

Dimensions in millimetres

**Key**

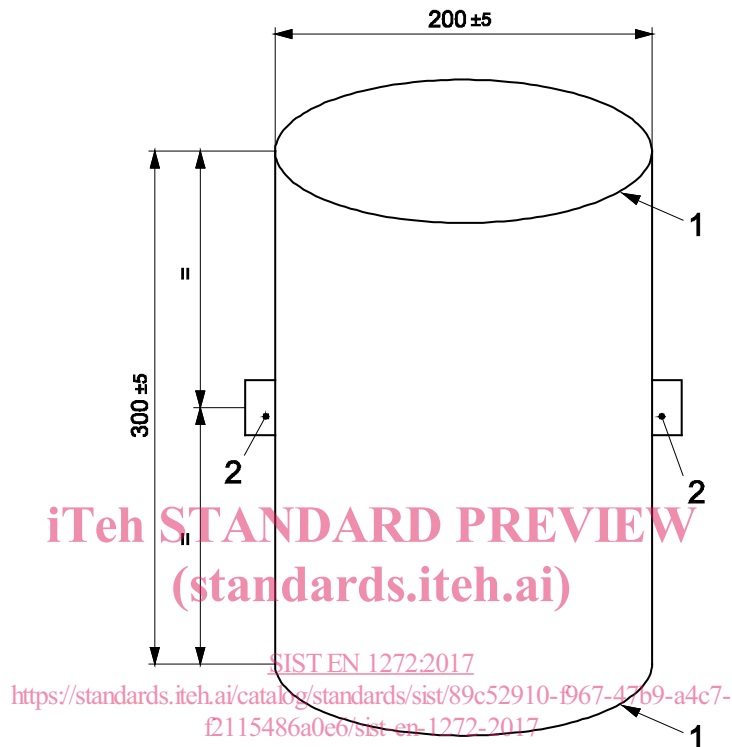
- 1 Radius: ( $5 \pm 1$ ) mm
- 2 Two anchorage points

**Figure 3 — Test mass A**

#### 4.2.2 Test mass B

A rigid cylinder ( $200 \pm 5$ ) mm in diameter and ( $300 \pm 5$ ) mm in height, having a mass of 15 kg and with its centre of gravity in the centre of the cylinder. All edges shall have a radius of ( $5 \pm 1$ ) mm. Two anchorage points shall be provided. These shall be positioned ( $150 \pm 2,5$ ) mm from the base and at  $180^\circ$  to each other around the circumference (see Figure 4).

Dimensions in millimetres



#### Key

- 1 Radius: ( $5 \pm 1$ ) mm
- 2 Two anchorage points

Figure 4 — Test mass B

#### 4.2.3 Test mass C

A steel rectangular mass  $AA_1B_1B$  120 mm × 150 mm of 9 kg mass (see Figure 5).

Dimensions in millimetres

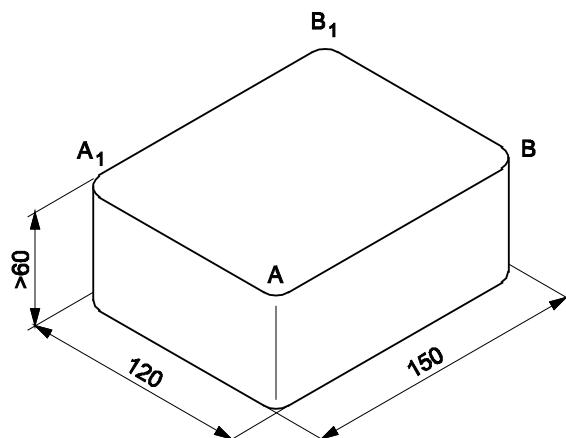
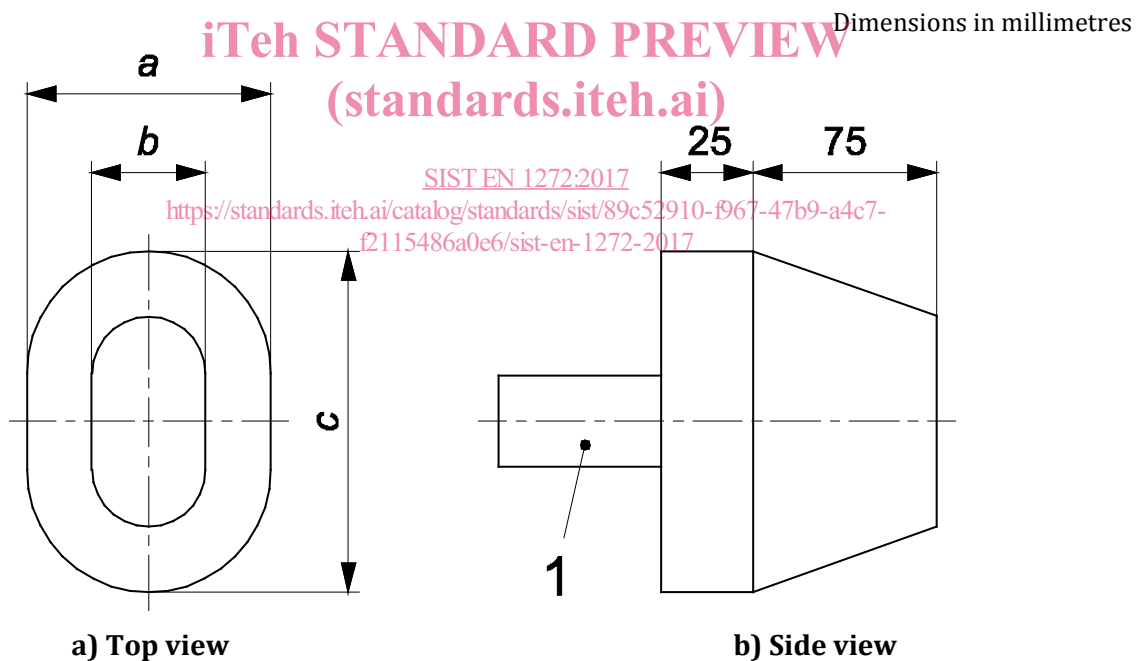


Figure 5 — Test mass C

### 4.3 Small torso probe

The small torso probe shall be made from plastics or other hard, smooth material with dimensions as shown in Figure 6.



#### Key

- 1 Handle
- a 86
- b 40
- c 120

Figure 6 — Small torso probe