SLOVENSKI STANDARD
SIST EN 13209-1:2022

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Nadomešča:
SIST EN 13209-1:2005

Izdelki za otroke - Oprema za nošenje otrok - Varnostne zahteve in preskusne metode - 1. del: Nahrbtniki z ogrodjem

Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

Artikel für Säuglinge und Kleinkinder - Kindertragen - Sicherheitstechnische Anforderungen und Prüfverfahren - Teil 1: Rückentragen mit Gestell

Articles de puériculture - Porte-enfants - Exigences de sécurité et méthodes d'essai - Partie 1 : Porte-enfants dorsaux à armature

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English Version

Child care articles - Child carriers - Safety requirements and test methods - Part 1: Framed back carrier

Articles de puériculture - Porte-enfants - Exigences de sécurité et méthodes d'essai - Partie 1 : Porte-enfants dorsaux à armature

Artikel für Säuglinge und Kleinkinder - Kindertragen - Sicherheitstechnische Anforderungen und Prüfverfahren - Teil 1: Rückentragen mit Gestell

This European Standard was approved by CEN on 25 January 2021.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 23 December 2021.

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

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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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Contents

Page

European foreword

This document (EN 13209-1:2021) 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of an identical text or by endorsement, at the latest by January 2022, and conflicting national standards shall be withdrawn at the latest by July 2022.

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 13209-1:2004.

In comparison with EN 13209-1:2004, the following changes were made:

— Clarified the scope, which includes a maximum weight for which the product is intended;

— Improvement of definitions including the addition of the definition of framed back carrier;

— Conversion to a hazard based format;

— Introduction of additional test masses;

— Reduction in tolerances;

— Update of chemical requirements;

— Update of flammability requirements and test methods;

— Increase in size of bounded openings in recognition of the age of the child for which the product is intended;

— Improvement of entanglement hazard requirements and addition of test methods;

— Improvement of the test methods for the carer's attachment system;

— Introduction of warning for packaging materials;

— Introduction of purchase information;

— Addition of warning translations;

— Addition of rationales.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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.

1 Scope

This document specifies the safety requirements and test methods for child back carriers with framed support to carry a child in a seated position. Framed back carriers are intended for children from 6 months of age up to a maximum weight of 18 kg and are designed to carry the child on the carer's back and be attached to a carer's torso allowing a hands-free operation e.g. standing, walking.

Note The rationales for the inclusion of some of the requirements given in this document are given in Annex B.

This document does not cover framed back carriers designed for children with special needs.

If the framed back carrier has other functions not covered in this document, reference should be 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, *Safety of toys — Part 3: Migration of certain elements*

EN ISO 14184-1:2011, *Textiles — Determination of formaldehyde — Part 1: Free and hydrolysed formaldehyde (water extraction method) (ISO 14184-1:2011)*

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 https://www.iso.org/obp

3.1
framed back carrier
product with a framed support designed to carry the child on the carer's back and to be attached to the carer's torso

3.2
freestanding framed back carrier
framed back carrier designed to stand unsupported

3.3
carer's attachment system
fastenings, straps and/or belts or similar parts which are fitted to the framed back carrier for the purpose of securing the product to the carer's torso

3.4
child restraint system
system incorporated into the framed back carrier in order to retain the child in the product

4 Test equipment

4.1 Small parts cylinder

Small parts cylinder with the dimensions specified in Figure 1.

Dimensions in millimetres

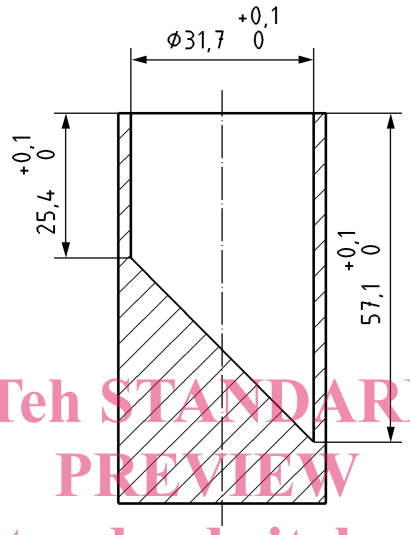


Figure 1 — Small parts cylinder

4.2 Feeler gauge

Gauge with thickness of (0,4 ± 0,02) mm, with the end to be inserted having a radius of approximately (3 mm ± 0,5), see Figure 2.

Dimensions in millimetres

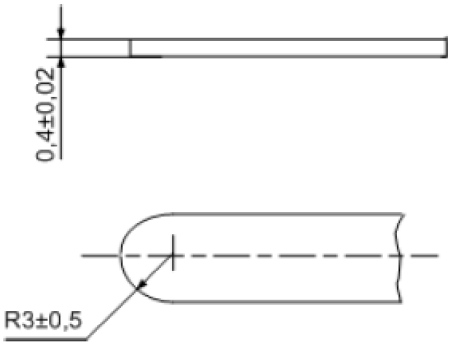


Figure 2 — Feeler gauge dimensions

4.3 Test torso

Rigid torso made from a hard smooth material with the dimensions specified in Figure 3 which is fitted on a rigid plate.

Dimensions in millimetres

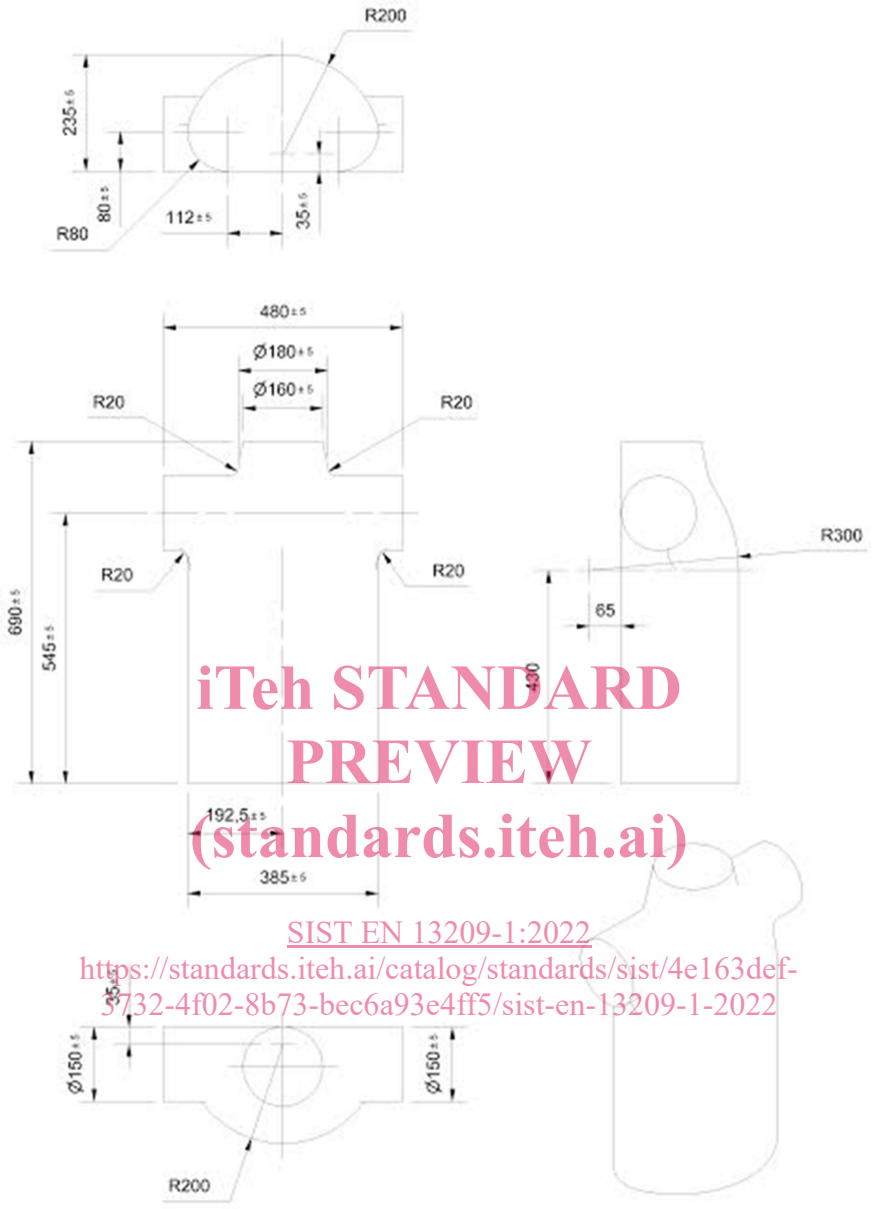


Figure 3 — Test torso

4.4 Test masses and dummy

4.4.1 Test mass A

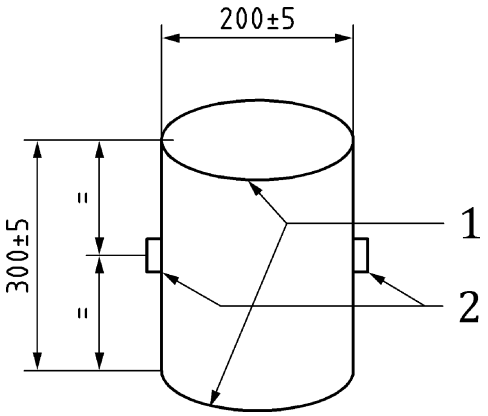
Bag filled with sand to a total mass of 15 kg, the shape and size of which is adjustable so that it can be firmly restrained by the carrier.

4.4.2 Test mass B

Bag filled with sand to a total mass of 22 kg, the shape and size of which is adjustable so that it can be firmly restrained by the carrier.

4.4.3 Test mass C

Rigid cylinder (200 ± 5) mm in diameter and (300 ± 5) mm in height having a mass of (15 + 0,01/0) kg with its centre of gravity in the centre of the cylinder. All edges shall have a radius of (5 ± 1) mm. Two anchorage points shall be provided, positioned (150 ± 2,5) mm from the base and at 180 ° to each other around the circumference. See Figure 4.



Key

1 radius (5 ± 1) mm

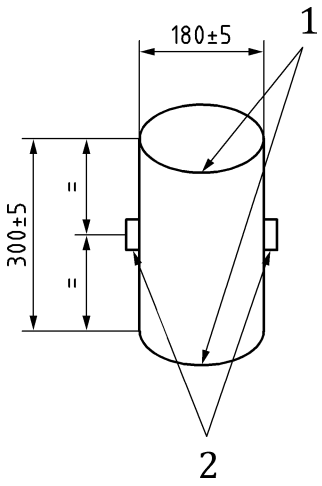
2 two anchorage points

Figure 4 — Test mass C

4.4.4 Test mass D

Rigid cylinder (220 ± 5) mm in diameter and (320 ± 5) mm in height having a mass of (22 + 0,01/0) kg with its centre of gravity in the centre of the cylinder. All edges shall have a radius of (5 ± 1) mm. Two anchorage points shall be provided, positioned (160 ± 2,5) mm from the base and at 180 ° to each other around the circumference (see Figure 5).

Dimensions in millimetres



Key

1 radius (5 ± 1) mm

2 two anchorage points

Figure 5 — Test mass D