



SLOVENSKI STANDARD

SIST EN 13209-2:2006

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Child use and care articles - Baby carriers - Safety requirements and test methods - Part 2: Soft carrier

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Artikel für Säuglinge und Kleinkinder - Kindertragen - Sicherheitstechnische Anforderungen und Prüfverfahren - Teil 2: Tragen ohne Gestell

Articles de puériculture - Porte-enfants - Exigences de sécurité et méthodes d'essai - Partie 2 : Porte-enfant souple

Ta slovenski standard je istoveten z: EN 13209-2:2005

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EUROPEAN STANDARD
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EN 13209-2

August 2005

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English Version

Child use and care articles - Baby carriers - Safety requirements and test methods - Part 2: Soft carrier

Articles de puériculture - Porte-enfants - Exigences de
sécurité et méthodes d'essai - Partie 2 : Porte-enfant
souple

Artikel für Säuglinge und Kleinkinder - Kindertragen -
Sicherheitstechnische Anforderungen und Prüfverfahren -
Teil 2: Tragen ohne Gestell

This European Standard was approved by CEN on 1 July 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

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Contents

page

| | |
|---|----|
| Foreword | 3 |
| 1 Scope | 4 |
| 2 Normative references | 4 |
| 3 Terms and definitions | 4 |
| 4 General requirements | 4 |
| 4.1 Multi-purpose products | 4 |
| 4.2 Order of tests | 4 |
| 4.3 Tolerances | 5 |
| 5 Materials | 5 |
| 5.1 Chemical properties | 5 |
| 5.2 Flammability | 5 |
| 5.3 Shrinkage | 6 |
| 5.4 Monofilament threads | 6 |
| 6 Construction | 7 |
| 6.1 Leg openings | 7 |
| 6.2 Small parts | 7 |
| 6.3 Cords, straps, belts and parts used as ties | 9 |
| 6.4 Head support | 9 |
| 6.5 Carer's attachment system | 9 |
| 6.6 Durability of attachment systems | 9 |
| 6.7 Accessibility of fillings | 11 |
| 7 Packaging | 14 |
| 8 Product information | 14 |
| 8.1 General | 14 |
| 8.2 Marking | 14 |
| 8.3 Durability of marking | 14 |
| 8.4 Purchase information | 14 |
| 8.5 Instructions for use | 15 |
| Annex A (informative) Head support | 16 |

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[https://standards.iteh.ai/catalog/standards/sist/17524026-c376-479a-9339-](https://standards.iteh.ai/catalog/standards/sist/17524026-c376-479a-9339-5486a32280c/sist-en-13209-2-2006)

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Foreword

This European Standard (EN 13209-2:2005) 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 February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

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

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EN 13209-2:2005 (E)**1 Scope**

This European Standard specifies the safety requirements and test methods for soft carriers for children i.e. those carriers without a framed support. These carriers are designed to transport a child in an essentially vertical position whilst attached to the carer's torso. It is essential that the carriers are designed to allow the carer hands free operation when standing and/or walking. These carriers are for use with a minimum weight of child of 3,5 kg.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN ISO 6941, *Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens (ISO 6941:2003)*

3 Terms and definitions

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

3.1**soft carrier**

product without a framed support designed to transport a child in an essentially vertical position whilst attached to the carer's torso. It is essential that the product has holes designed to accommodate the child's legs

3.2**carer's attachment system**

fastenings, straps and/or belts or similar parts which are fitted to or are part of the soft carrier for the purpose of securing the article to the carer's torso

4 General requirements**4.1 Multi-purpose products**

If the carrier has other functions not covered in this European Standard, reference should be made to the relevant European Standard.

4.2 Order of tests

Unless otherwise stated the specified tests shall be carried out on one sample in the order of the clause numbers in this standard.

4.3 Tolerances

Unless otherwise stated the following tolerances shall apply for testing and test equipment:

- forces shall have an accuracy of $\pm 5\%$;
- masses shall have an accuracy of $\pm 1\%$;
- dimensions shall have an accuracy of $\pm 1\text{ mm}$;
- time measurements shall have an accuracy of $\pm 1\text{ s}$;
- angles shall have an accuracy of $\pm 1^\circ$.

5 Materials

5.1 Chemical properties

Any surface coatings of paint, varnish, lacquer or similar substances and parts consisting of dyed materials, leather and textiles shall be made using products, which in their soluble compound do not exceed the following amounts. The migration of synthetic or natural elements from coatings of paint, varnish, lacquer, printing ink, polymer and similar coatings, and other materials whether mass coloured or not shall comply with the following:

| | | |
|----------|---|-------------|
| Antimony | : | 60 mg/kg |
| Arsenic | : | 25 mg/kg |
| Barium | : | 1 000 mg/kg |
| Cadmium | : | 75 mg/kg |
| Chromium | : | 60 mg/kg |
| Lead | : | 90 mg/kg |
| Mercury | : | 60 mg/kg |
| Selenium | : | 500 mg/kg |

When a surface is coated with a multi-layer of paint or similar coating, the sample shall not include the substrate.

A separate sample shall be used to assess these requirements.

These limits shall be checked according to the test described in EN 71-3.

5.2 Flammability

5.2.1 Requirements

When tested in accordance with 5.2.3 the maximum rate of the spread of flame shall be 50 mm/s.

A separate sample shall be used to assess this requirement.

EN 13209-2:2005 (E)**5.2.2 Conditioning for flammability**

The soft carrier shall be washed, cleaned and dried twice in accordance with manufacturer's instructions.

The carrier shall be conditioned for at least 7 h in an environment temperature of (20 ± 2) °C and relative humidity (65 ± 5) %.

5.2.3 Test equipment**5.2.3.1 Test chamber**

A chamber with a maximum air movement of 0,2 m/s prior to the test. The air movement in the chamber shall not be affected by the operation of any mechanical apparatus during the test and the volume of air shall not be affected by the reduction in the level of oxygen concentration during the test.

The temperature of the chamber shall be maintained in the range (10 and 30) °C with a relative humidity between (15 and 80)% prior to the test.

5.2.3.2 Ignition source

The test flame shall be obtained from the burner described in EN ISO 6941 operated with either butane or propane gas as appropriate.

The burner shall have a flame of (20 ± 2) mm measured from the end of the burner tube to the top of the flame with the burner in a vertical position.

5.2.4 Test method

The soft carrier shall be tested as intended to be worn by the carer, i.e. fully assembled.

The carrier shall be suspended vertically by means of the shoulder straps of the carer's attachment system. Any strap on the soft carrier shall be positioned to prevent the straps from affecting the results of the test.

The soft carrier shall be positioned at least 300 mm from the walls of the test chamber detailed in 5.2.3.1.

The soft carrier shall be tested within 5 min of its removal from the conditioning environment detailed in 5.2.2.

The burner detailed in 5.2.3.2 shall be pre-heated for 2 min prior to the test. The flame shall be applied so that the distance between the edge of the burner tube and the soft carrier is (5 ± 2) mm the flame making contact with the outer facing of the soft carrier for 5 s.

After removal of the flame, the time taken for the flame to spread on the surface of the soft carrier over the distance between the point of application and the upper edge of the burnt area shall be measured.

5.3 Shrinkage

The carrier shall be washed and dried twice in accordance with the manufacturer's instructions. Any resulting shrinkage shall not prevent any removable parts from being refitted without damaging the seams of the fabric and shall not impair the performance and use of the article.

5.4 Monofilament threads

Monofilament threads shall not be used.

6 Construction

6.1 Leg openings

6.1.1 Requirements

The minimum size of the leg openings shall not allow the test sphere to pass completely through the leg opening when tested in accordance with 6.1.3.

6.1.2 Test equipment

Test sphere made from a hard smooth material of diameter (120 ± 2) mm and a mass of 2,27 kg.

6.1.3 Test method

If the leg opening is adjustable in size, it shall be tested at its minimum size as described in the manufacturer's instructions.

Ensure that the soft carrier is held so that no additional tension, which could restrict the passing of the sphere, is applied to the leg opening.

Position the soft carrier so that the leg opening to be tested is essentially horizontal. Gradually place the test sphere inside the leg opening and allow the sphere to rest in the leg opening for 1 min.

6.2 Small parts

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6.2.1 Requirements

Any components not intended to be detachable but which become detached when tested in accordance with 6.2.3 shall not fit wholly within the small parts cylinder (Figure 1).

Any component intended to be removable without the use of a tool shall not fit wholly within the small parts cylinder (Figure 1).

6.2.2 Test equipment

Means of applying a force up to at least 90 N with an accuracy of (± 2) N, such as a spring balance or a dead weight arrangement.

Feeler gauge with thickness of $(0,4 \pm 0,02)$ mm, with the end to be inserted having a radius of approximately 3 mm.

Small parts cylinder with the dimensions given in Figure 1.