



# SLOVENSKI STANDARD

## SIST EN 13210:2005

01-januar-2005

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### Izdelki za otroke –Otroški pasovi, vajeti in podobni izdelki –Varnostne zahteve in preskusne metode

Child use and care articles - Children's harnesses, reins and similar type articles - Safety requirements and test methods

Artikel für Säuglinge und Kleinkinder - Sicherheitsgeschirre, Zügel und ähnliche Artikel für Kinder - Sicherheitsanforderungen und Prüfverfahren

Articles de puériculture - Harnais, laisses de promenade et articles similaires pour enfants - Exigences de sécurité et méthodes d'essai

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 13210**

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English version

## Child use and care articles - Children's harnesses, reins and similar type articles - Safety requirements and test methods

Articles de puériculture - Harnais, laisses de promenade et articles similaires pour enfants - Exigences de sécurité et méthodes d'essai

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## Foreword

This document (EN 13210:2004) 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of an identical text or by endorsement, at the latest by February 2005, and conflicting national standards shall be withdrawn at the latest by February 2005.

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 the United Kingdom.

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## 1 Scope

This document specifies the minimum safety requirements and test methods for harnesses, comprising strap assemblies, and body type garments for restraining children up to 4 years of age. These products are for use in child use and care articles, which are fitted with specified attachment points. These products may be provided with a detachable rein for use when the child is walking. These products may incorporate storage pockets e.g. back or waist packs.

This document specifies the minimum safety requirements and test methods for restraint systems, designed to fit around a child's wrist for use when walking.

This document does not apply to restraint systems, permanently fitted as an integral feature of child use and care articles.

This document does not apply to restraint systems intended for children with special needs.

This document does not apply to restraint systems for use in motorised and power driven vehicles.

## 2 Normative references

The following referenced documents are indispensable for the application 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 — Mechanical and physical properties.*

[SIST EN 13210:2005](https://standards.iteh.ai/SIST/EN/13210/2005)

EN 71-3, *Safety of toys — Migration of certain elements.*

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EN 1811, *Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin.*

EN 12472, *Method for the simulation of wear and corrosion for the detection of nickel release from coated items.*

## 3 Terms and definitions

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

### 3.1

#### **harness**

product designed to fit around a child's torso and intended to restrain the child, when used with specific attachment points on a child use and care article or with a walking rein. These products can be a torso type strap assembly 3.2, a body type garment assembly 3.3 or any combination of both types

### 3.2

#### **torso type strap assembly**

strap assembly comprising a waist belt and shoulder straps (see Figure 1)

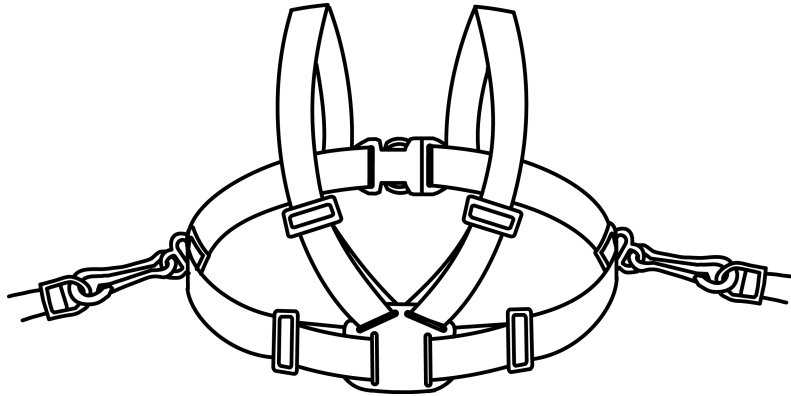


Figure 1 — Example of torso type strap assembly

### 3.3

#### body type garment assembly

assembly fitted around the child's body consisting of fabric materials (see Figure 2)

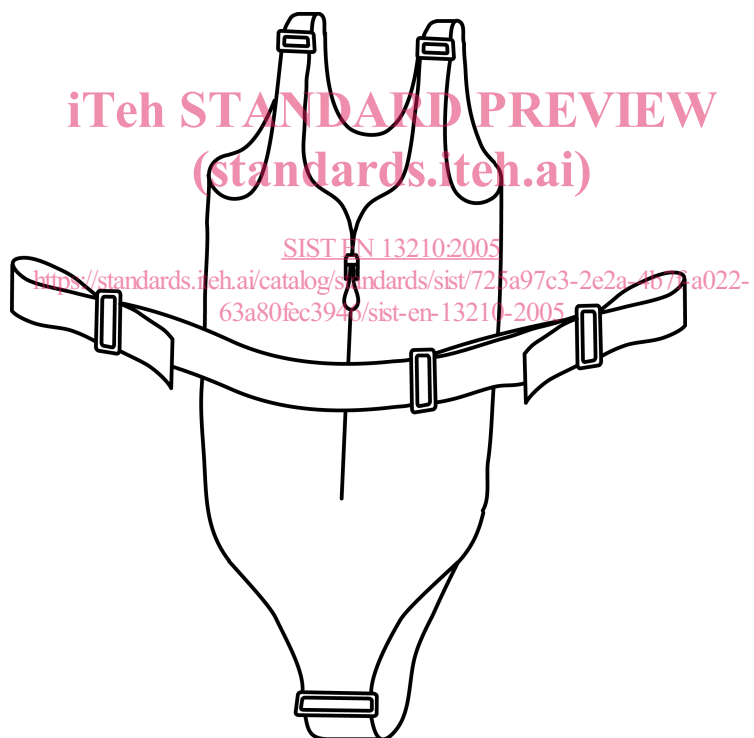


Figure 2 — Example of body garment type assembly

### 3.4

#### waist belt

part of the harness, which passes around the waist or the body of the child

### 3.5

#### shoulder straps

parts of the harness which pass over the shoulders of the child



**3.6****attachment straps**

adjustable straps fitted with appropriate fastenings e.g. buckles and hooks, which are used to secure the harness to the specified harness attachment points of a child use and care article

**3.7****walking rein**

strap attached to a harness or to a single waist belt to be held by the carer, comprising either:

- a leading rein which comprises a single continuous strap which is attached at a single point on the waist belt or
- a training rein which comprises a single continuous strap which is attached to both sides of the waist belt

**3.8****wrist type walking rein**

assembly comprising a single strap with a loop for securing to a child's wrist at one end and a wrist loop or a hand grip for use by the carer at the other end (see Figure 3)

**Key**

- 1 Child wrist loop
- 2 Carers wrist loop or hand grip

**Figure 3 — Example of wrist type rein**

**4 Materials****4.1 Migration of certain elements**

Plastic, any 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 shall not exceed the following amounts.

- Antimony : 60 mg/kg
- Arsenic : 25 mg/kg

**EN 13210:2004 (E)**

— 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

Where a surface is coated with a multi-layer of paint or similar coating, the sample shall be taken down to the substrate.

The test procedure shall be as defined in EN 71-3.

**4.2 Total content and migration of nickel****4.2.1 Requirements**

When tested in accordance with 4.2.2.1, the migration of nickel shall not exceed 0,5 µg/cm<sup>2</sup>/wk.

When tested in accordance with 4.2.2.2, migration of nickel shall not exceed 0,5 µg/cm<sup>2</sup>/wk.

**4.2.2 Test methods to be used**

**4.2.2.1** EN 1811 - Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin.

[SIST EN 13210:2005](https://standards.iteh.ai/catalog/standards/sist/725a97c3-2e2a-4b7f-a022-05a61003976/SIST-EN-13210-2005)

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**4.2.2.2** EN 12472 - Method for the simulation of wear and corrosion for the detection of nickel from coated items (followed by EN 1811).

**5 General test conditions****5.1 Tolerances**

Unless stated otherwise, all forces, masses and dimensions shall have tolerances as follows:

— forces	:	± 5 %
— masses	:	± 0,5 %
— dimensions	:	± 0,5 mm

**5.2 Conditioning**

Before testing, the article shall be washed and dried twice in accordance with the manufacturer's instructions.

Where no instructions are given the article shall be immersed in water at (20 ± 3) °C for (30 ± 2) s and shall be allowed to dry for 24 h at (20 ± 5) °C before testing.

## 6 Construction

### 6.1 Edges, projections and corners

When assembled for use all exposed edges, projections and corners of metal, wooden and moulded plastic components shall be rounded, chamfered and free from burrs.

### 6.2 Small parts

When tested in accordance with EN 71-1, grippability, torque test, and tensile test, any component or part of a component that is removed, whether intended to be removed without the use of a tool or not, should not fit wholly within the small parts cylinder specified in EN 71-1.

### 6.3 Adhesive labels/decals

#### 6.3.1 Requirements

When tested in accordance with 6.3.2 soaking test and EN 71-1 tension test and torsion test, adhesive labels/decals shall not become detached or loosened from the harness or produce any parts which fit entirely in the small parts cylinder specified in EN 71-1.

#### 6.3.2 Soaking test

Immerse the part of the product to be tested in demineralised water at room temperature for 30 min.

### 6.4 Cords, ribbons and parts used as ties (standards.iteh.ai)

Cords, ribbons and parts used as ties shall have a maximum free length of 220 mm when stretched by a force of 25 N.

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This requirement does not apply to free ends of torso type strap assemblies, attachment straps, and walking reins.

### 6.5 Shoulder straps

#### 6.5.1 Shoulder straps for torso type strap assembly harnesses

The minimum width of the shoulder straps shall be 20 mm.

Each shoulder strap shall be adjustable.

If the harness is suitable for use from birth it shall be possible to adjust the length of each shoulder strap to 250 mm when measured from the top edge of the waist belt at the front to the top edge of the waist belt at the rear (see Figure 4).

If the harness is suitable for use from 6 months it shall be possible to adjust the length of each shoulder strap to 310 mm when measured from the top edge of the waist belt at the front to the top edge of the waist belt at the rear (see Figure 4).

Where the waist belt is not of uniform height along the top edge, the measurement of each shoulder strap shall be taken from the lowest top edge projected to both front and rear.

The shoulder straps shall not be crossed diagonally at the front.