

# SVENSK STANDARD

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### Barnartiklar – Babysitters

### Child use and care articles – Reclined cradles

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## Child use and care articles - Reclined cradles

Articles de puériculture - Transats

Artikel für die Säuglinge und Kleinkinder - Kinderliegesitze

This European Standard was approved by CEN on 24 January 2009.

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## Foreword

This document (EN 12790:2009) 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

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## 1 Scope

This standard specifies safety requirements and the corresponding test methods for fixed or folding reclined cradles intended for children up to a weight of 9 kg or who are unable to sit up unaided.

This standard applies also to car seats complying with ECE 44 that can be used as reclined cradles according to manufacturer's instructions.

This standard does not apply to reclined cradles when used as swings.

If a reclined cradle has several functions or can be converted into another function the relevant European standards apply to it (see Annex B).

## 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 – Part 1: Mechanical and physical properties*

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

EN 1103, *Textiles – Fabrics for apparel – Detailed procedure to determine the burning behaviour*

EN ISO 868, *Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)*

ISO 48, *Rubber, vulcanized or thermoplastic – Determination of hardness (hardness between 10 IRHD and 100 IRHD)*

ISO 7619-1, *Rubber, vulcanized or thermoplastic – Determination of indentation hardness – Part 1: Durometer method (Shore hardness)*

ISO 7619-2, *Rubber, vulcanized or thermoplastic – Determination of indentation hardness – Part 2: IRHD pocket meter method*

## 3 Terms and definitions

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

### 3.1

#### **reclined cradle**

article intended to accommodate a child in a reclined position

NOTE Reclined cradles may be static, rocking or bouncing and may have an adjustable backrest and/or seat.

#### 3.1.1

##### **static reclined cradle**

article not intended to bounce or rock

#### 3.1.2

##### **rocking reclined cradle**

article intended to allow the child to rock

**3.1.3**

**bouncing reclined cradle**

article intended to allow the child to bounce due to the flexibility of the frame or any other mechanical means

**3.2**

**restraint system**

system to restrain the child within the reclined cradle

**3.3**

**crotch restraint**

device designed to pass between the child's legs to prevent the child from sliding forward

**3.4**

**carrying handle**

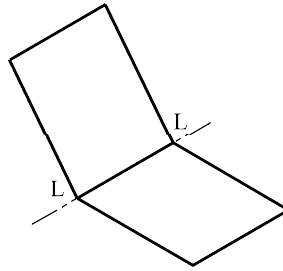
component to enable the reclined cradle with the child in it to be carried by hand

**3.5**

**junction line**

intersection of the seat and the backrest

NOTE 1 See Figure 1a).

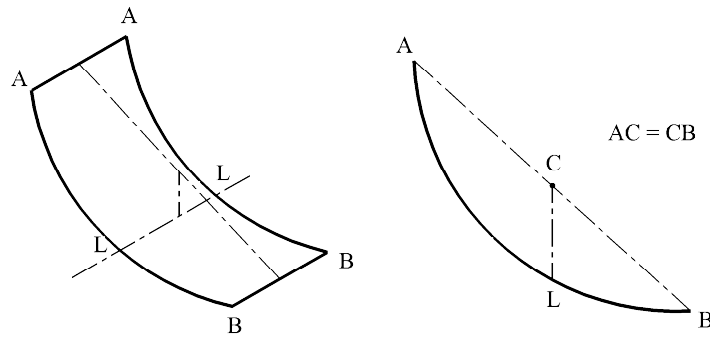


**Key**

LL Junction line

**Figure 1a) — Junction line**

NOTE 2 When the seat unit is in the form of a hammock, then a theoretical junction line, "LL", is determined as shown in Figure 1b). For these products the junction line will vary when the backrest is adjusted in different positions.



### Key

LL Junction line

CL Vertical projection of C on the hammock

Figure 1b) — Junction line for reclined cradles in form of a hammock

## 4 Properties of materials

### 4.1 Chemical properties

Surfaces of parts located within the inner and upper surface that support the child shall be made using materials which in their soluble state have a metal content not exceeding the following values:

- 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.

The test procedure is defined in EN 71-3.

Where a surface is coated with a multi-layer of paint or similar coating, the test sample shall not include any of the base material.

### 4.2 Flammability

There shall be no parts of the reclined cradle which can give rise to surface flash, when tested in accordance with EN 1103.