

English Version

Child care articles - General safety guidelines - Part 3: Mechanical hazards

Articles de puériculture - Conseils relatifs à la sécurité -
Partie 3: Dangers mécaniques

Artikel für Säuglinge und Kleinkinder -
Sicherheitsleitfaden - Teil 3: Mechanische
Gefährdungen

This Technical Specification (CEN/TS) was approved by CEN on 22 September 2025 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (CEN/TS 13387-3:2025) has been prepared by Technical Committee CEN/TC 252 “Child care articles”, the secretariat of which is held by AFNOR.

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 CEN/TR 13387-3:2023.

CEN/TS 13387-3:2025 includes the following significant technical changes with respect to CEN/TR 13387-3:2023:

- Ageing and wear: Reworded;
- Accessibility of mechanical hazards: Reworded;
- Entrapment hazards: Addition of a new finger probe and a hip probe;
- Hazards from moving parts: Moving parts separated into two main areas;
- Entanglement hazards: Improvement of the diagram for the ball and chain test; clarification of the clause for “Cords, ribbons and parts used as ties”;
- Suffocation hazards: Clarification of the clause for “Non air-permeable packaging”;
- Hazardous edges and projections: Drawings deleted;
- Protective function: Addition of a hip probe;
- Footholds: Reworded.

The CEN/TS 13387 series, with the general title *Child care articles - General safety guidelines*, comprises the following five parts:

- *Part 1: Safety philosophy and safety assessment;*
- *Part 2: Chemical hazards;*
- *Part 3: Mechanical hazards;*
- *Part 4: Thermal hazards;*
- *Part 5: Product information.*

CEN/TS 13387-3 is intended to be used in conjunction with CEN/TS 13387-1.

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 announce this Technical Specification: 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

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1 Scope

This document provides guidance information on mechanical hazards that are taken into consideration when developing safety standards for child care articles. In addition, these guidelines can assist those with a general professional interest in child safety.

This new edition of this document is a hazard based Technical Specification.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

mechanical hazards

physical factors which can give rise to injury due to the mechanical properties of products/product parts

3.2

reach envelopes

age related physical data on the reach limits of the limbs of children in different postures

Note 1 to entry: See 5.2.

3.3

ageing

change of properties of the material due to exposure to environmental factors such as temperature, humidity, UV radiation, cleaning agents, etc

3.4

mechanical wear

change of mechanical properties due to fatigue or repeated operation of devices, mechanisms and other parts of the product

4 Mechanical hazards — Safety philosophy

This clause addresses the most widely known mechanical hazards and is intended to provide guidance when drafting standards for child care articles.

Anthropometric data and information on the abilities of children related to risks are given in CEN/TS 13387-1:2025, Annex A. When using these data for setting requirements, adequate safety margins should be considered. These data refer to static and not dynamic anthropometric data, therefore care should be taken if using these data for anything other than static situations when drafting standards.

When drafting standards, conditions of use should be considered, bearing in mind the behaviour of children. Also, it is to be considered whether the child is attended or unattended when using the product and also the child's access to hazardous features.