SLOVENSKI STANDARD
kSIST-TS FprCEN/TS 13387-3:2025

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Izdelki za otroke - Smernice o splošni varnosti - 3. del: Nevarnosti zaradi mehanskih lastnosti

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

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

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

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97.190 Otroška oprema Equipment for children

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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 draft Technical Specification is submitted to CEN members for Vote. It has been drawn up by the Technical Committee CEN/TC 252.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a Technical Specification. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a Technical Specification.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

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

This document is currently submitted to the Vote on TS.

This document will supersede CEN/TR 13387-3:2023.

FprCEN/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*.

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

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 13387-1:2024, 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.