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Child use and care articles - General safety guidelines - Mechanical hazards

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 13387-3:2015.
This Technical standard information includes the English version of CEN/TR 13387-3:2015.

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English Version

Child use and care articles - General safety guidelines - Mechanical hazards

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (CEN/TR 13387-3:2015) has been prepared by Technical Committee CEN/TC 252 “Child use and 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 [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TR 13387:2004.

CEN/TR 13387 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/TR 13387-3 should be used in conjunction with CEN/TR 13387-1.

This new edition of this Technical Report is a hazard based Technical Report. In comparison with the previous version, the main changes related to the section on Mechanical hazards are:

— 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.

1 Scope

This Technical Report provides guidance information on mechnical hazards that should be taken into consideration when developing safety standards for child use and care articles. In addition, these guidelines can assist those with a general professional interest in child safety.

2 Mechanical hazards - Safety philosophy

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

Anthropometric data and information on the abilities of children related to risks are given in Annex A of CEN/TR 13387-1:2015. 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.

For each mechanical hazard a rationale is given, explaining the potential hazard to the child. Requirements, test equipment and test methods are also given. Where appropriate, these can be used when drafting standards.