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Child use and care articles – Carry cots and stands – Safety requirements and test methods

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Denna standard ersätter SS-EN 1466:2004+A1:2007, utgåva 1.

The European Standard EN 1466:2014 has the status of a Swedish Standard. This document contains the official version of EN 1466:2014.

This standard supersedes the Swedish Standard SS-EN 1466:2004+A1:2007, edition 1.

Upplysningar om sakinnehållet i standarden lämnas av SIS, Swedish Standards Institute, telefon 08-555 520 00. Standarder kan beställas hos SIS Förlag AB som även lämnar allmänna upplysningar om svensk och utländsk standard.

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Denna standard är framtagen av kommittén för Barnartiklar, SIS/TK 404.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1466

November 2014

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Supersedes EN 1466:2004+A1:2007

English Version

Child use and care articles - Carry cots and stands - Safety requirements and test methods

Articles de puériculture - Couffins et supports - Exigences de sécurité et méthodes d'essai

Artikel für Säuglinge und Kleinkinder - Tragetaschen und Ständer - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 9 August 2014.

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Foreword

This document (EN 1466:2014) 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of an identical text or by endorsement, at the latest by May 2015 and conflicting national standards shall be withdrawn at the latest by November 2015.

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 EN 1466:2004+A1:2007.

In comparison with EN 1466:2004+A1:2007, the significant technical changes relate to the following issues:

— determination of a protected volume,

— clarification and updating of:

  — the Scope,

  — internal height of rigid carry cots,

  — entanglement hazards (test for cords, straps and ribbons),

  — test methods for small part,

  — Figures 6 and 10,

— rewriting of the standard following the current hazard based format,

— introduction of requirement for carry cots with restraint system.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies safety requirements and test methods for products which are intended for the purpose of carrying a child in a lying position by means of handle(s) and for stands which may be used in conjunction with these products (see C.2).

These products are intended for a child who cannot sit unaided, roll over or push up on its hands and knees, with a maximum weight of 9 kg. Hereafter, in this European Standard these products are called "carry cots" and include all types of carry cot with rigid or soft sides as well as moses baskets and any similar products.

This European Standard has not considered the requirements of children with special needs.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 71-2:2011+A1:2014, *Safety of toys — Part 2: Flammability*

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

3 Terms and definitions

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

3.1
carry cot
product comprising a base, sides, ends and carrying handle(s), within which a child can be laid down and transported by hand

3.2
stand
static structure designed to accommodate and support a carry cot

4 General requirements and test conditions (see C.3)

4.1 General

The carry cot shall be tested when assembled for normal use in accordance with the manufacturer's instructions.

Any other functions of the product shall comply with relevant European Standards.

4.2 Conditioning

Any fabric intended to be washed/cleaned shall be washed/cleaned and dried twice in accordance with the manufacturer's instructions.

Any resulting shrinkage shall not prevent the fabric from being refitted without damaging the seams of the fabric or impairing the performance of the carry cot.

4.3 Accuracy of test equipment

Unless otherwise stated the accuracy of the test equipment shall be:

— forces ± 5 %;

— masses ± 0,5 %;

— dimensions ± 0,5 mm;

— timing ± 1 s;

— angles ± 0,5°.

4.4 Determination of a protected volume

The protected volume is determined by:

— the inner upper surface that supports the child; and

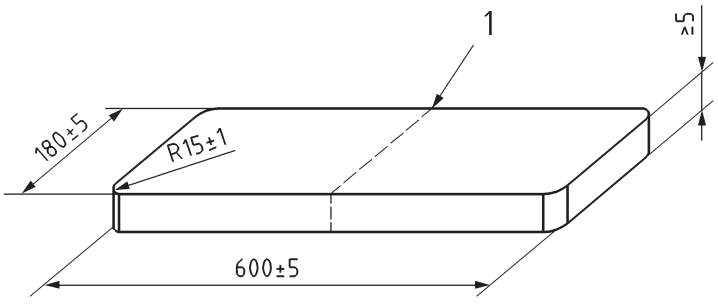
— the inner surface of the sides and ends of the carry cots.

5 Test equipment

5.1 Test plate

A rigid steel plate (600 ± 5) mm long and (180 ± 5) mm wide, having a mass of $9\,^{+\,0,01}_{0}$ kg hinged along the centre line (see Figure 1).

Dimensions in millimetres



Key

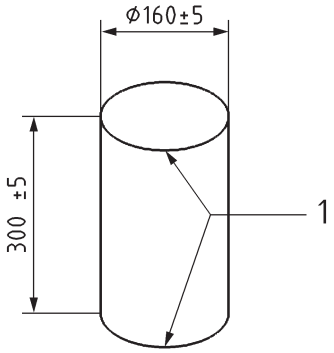
1 hinge line

Figure 1 — Test plate

5.2 Test mass

A rigid cylinder (160 ± 5) mm in diameter and (300 ± 5) mm in height, having a mass of $9\,^{+\,0,01}_{\ 0}$ kg and with its centre of gravity in the centre of the cylinder. All edges shall have a radius of (5 ± 1) mm (see Figure 2).

Dimensions in millimetres



Key

1 radius r = (5 ± 1) mm

Figure 2 — Test mass

5.3 Test probes

Probes made from plastics or other hard, smooth material of diameters $(7\,^{+\,0}_{-\,0,1})$ mm and $(12\,^{+\,0,1}_{-\ 0})$ mm, with a full hemispherical end (see Figure 3a)).

Probe for assessing mesh made from plastics or other hard, smooth material (see Figure 3b)) which shall be capable of being mounted on a force measuring device, so that the conical end can be presented to the opening being assessed.

Probe made from plastic or other hard, smooth material of diameter $(65\,^{+\,0,1}_{-\ 0})$ mm. One end shall be conical with an angle of 30° with a radius of 10 mm at the end (see Figure 3a)).