

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
EN 14988-1:2006

prA1

December 2010

ICS 97.140; 97.190

English Version

Children's high chairs - Part 1: Safety requirements

Chaises hautes pour enfants - Partie 1: Exigences de
sécurité

Kinderhochstühle - Teil 1: Sicherheitstechnische
Anforderungen

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 364.

This draft amendment A1, if approved, will modify the European Standard EN 14988-1:2006. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Modification to Clause 2, Normative references	3
2 Modification to Clause 3, Terms and definitions.....	3
3 Modification to Clause 5, Construction.....	4
5.6.3 Requirements for high chairs with passive restraint system	5
5.7 Lateral protection.....	6
5.7.1 General.....	6
5.7.2 Lateral protection height.....	6
5.7.3 Lateral protection length for high chairs fitted with active restraint system	6
5.7.4 Lateral protection length for high chairs with passive restraint system	6

Foreword

This document (EN 14988-1:2006/prA1:2010) has been prepared by Technical Committee CEN/TC 364 "Project Committee - High Chairs", the secretariat of which is held by UNI.

This document is currently submitted to the CEN Enquiry.

1 Modification to Clause 2, Normative references

Add the following references:

EN 13210:2004 *Child use and care articles- Children's harnesses, reins and similar type articles- Safety requirements and test methods*

EN 14988-2/prA1:2010 *Children's high chairs – Part 2: Test methods*

2 Modification to Clause 3, Terms and definitions

Replace the definitions of 3.3 and 3.4 with the following:

3.3

integral harness

an assembly intended to retain the child in the high chair comprising either a crotch restraint, waist strap and shoulder straps, or comprising straps that pass over the child's shoulders and between the child's legs.

3.4

waist belt

a strap, which when fastened, fully surrounds the child's waist.

Add a new 3.5 as follows:

3.5

waist strap

a strap, which when fastened, goes from one side of the child to the other passing in front of the child's waist

Replace the numbering of the subsequent terms as follows:

"3.5 opening" becomes "3.6 opening"

"3.6 shear and squeeze points" becomes "3.7 shear and squeeze points"

"3.7 locking device" becomes "3.8 locking device"

"3.8 locking mechanism" becomes "3.9 locking mechanism"

Add new term 3.10 as follows:

3.10

junction line

the intersection of the seat and the backrest (see Figure 1).

EN 14988-1:2006/prA1:2010 (E)

Note The method to determine the junction line can be found in cl. 4.2 of EN 14988-2/prA1:2010

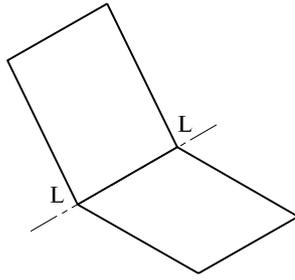


Figure 1 - Junction line

3 Modification to Clause 5, Construction

Replace title and body of 5.4.3 as follows:

5.4.3 Unintentional folding of the high chair

Unintentional folding of the high chair shall be avoided.

This requirement is fulfilled if:

- a) at least one locking mechanism requires a minimum force of 50 N before and after test in accordance with EN 14988-2:2006, 6.3, or
- b) at least one locking mechanism requires the use of a tool to be released, or
- c) folding is only possible when two independent locking mechanisms are operated simultaneously, or
- d) there are two or more automatically engaging locking devices that cannot be released by one single action, or
- e) folding of the high chair requires two consecutive actions, the first of which must be maintained while the second is carried out.

Delete 5.6 and replace it as follows:

5.6 Restraint system

5.6.1 General

The high chair shall have an active restraint system complying with 5.6.2 or a passive restraint system complying with 5.6.3.

If the backrest can be reclined to less than 60° to the horizontal, measured in accordance with EN 14988-2:2006/prA1, 6.10.1, the product shall have an active restraint system complying with 5.6.2.

All straps of the restraint system, shall have a minimum width of 19 mm.

When a high chair is fitted with attachment points for an additional harness, these shall function as intended after testing in accordance with EN 14988-2/prA1:2010, 6.7. The attachment points shall be independently fixed and shall at all times remain within 50 mm in front of and not more than 75 mm above the junction line (see Figure 2).

Harnesses, straps, belts, crotch restraint and horizontal component of the restraint system, shall function as intended after testing in accordance with EN 14988-2:2006/prA1:2010, 6.8.

The maximum slippage of the straps through any different type of adjusters shall be 20 mm, when tested in accordance with EN 14988-2:2006/prA1:2010, 6.9.

After testing in accordance with EN 14988-2:2006/prA1:2010, 6.9, adjusters and buckles shall function as intended.

5.6.2 Requirements for high chairs with active restraint system

The active restraint system shall be supplied with the high chair.

The high chair shall be fitted with lateral protection complying with 5.7.3 or 5.7.4.

The restraint system shall comprise of at least one of the following:

- a) a waist belt adjustable to the size of the child and a crotch strap, where the crotch strap shall be such that the waist belt can be used only in conjunction with it; or
- b) an integral harness adjustable to the size of the child and comprising of either :
 - 1) a crotch restraint, a waist strap and shoulder straps, where the crotch restraint shall be such that the waist strap can be used only in conjunction with it; or
 - 2) straps that pass over the child's shoulders and between the child's legs

5.6.3 Requirements for high chairs with passive restraint system

When the high chair is not supplied with an active restraint system, a passive restraint system shall be provided complying with the following requirements:

- a) The high chair shall be fitted with lateral protection complying with 5.7.4;
- b) The high chair shall comprise a crotch restraint and a horizontal element which create two openings for the child's legs;
- c) The leg openings shall not allow passage of the wedge block when tested in accordance with EN 14988-2/prA1:2010, 6.14.1;
- d) When tested in accordance with EN 14988-2:2006/prA1:2010, 6.14.2, partially bounded leg openings shall not allow the passage of the leg probe from the interior of the leg opening to the exterior or from one leg opening to the other;
- e) The horizontal distance between the front surface of the backrest and the crotch restraint shall be less than 216 mm when measured in accordance with EN 14988-2/prA1:2010, 6.15;
- f) The horizontal distance between the front surface of the backrest and the horizontal member shall be less than 250 mm when measured in accordance with EN 14988-2/prA1:2010, 6.16.

Renumber "Figure 1" in "Figure 2 - Location of harness or belt attachment points"

EN 14988-1:2006/prA1:2010 (E)

Replace 5.7 as follows:

5.7 Lateral protection**5.7.1 General**

The high chair shall be fitted with lateral protections.

5.7.2 Lateral protection height

The distance from the seat surface to the top of the lateral protections shall be at least 140 mm when measured in accordance with EN 14988-2/prA1:2010, 6.13.1.

5.7.3 Lateral protection length for high chairs fitted with active restraint system

The length of the lateral protections shall be at least 150 mm when measured in accordance with EN 14988-2/prA1:2010, 6.13.2 and shall extend from the backrest to the position at which the crotch restraint is fixed to the seat.

5.7.4 Lateral protection length for high chairs with passive restraint system

The lateral protections shall extend from the backrest to the horizontal component in front of the child.

In 5.8 change the reference in the text to "EN 14988-2:2006, clause 6.9.2" in "EN 14988-2/prA1:2010, clause 6.10.2",

In 5.8 change the reference in the text to "EN 14988-2:2006, clause 6.9.1" in "EN 14988-2/prA1:2010, clause 6.10.1"

In 5.8 change the reference in the text to "EN 14988-2:2006, clause 6.9.3" in "EN 14988-2/prA1:2010, clause 6.10.3"

In 5.9 change the reference in the text to "EN 14988-2:2006, clause 6.9.4" in "EN 14988-2/prA1:2010, 6.10.4"

In 5.12 change the reference in the text to "EN 14988-2:2006, clauses 6.2, 6.10, 6.11, 6.14.1, 6.14.2, 6.14.3" in "EN 14988-2/prA1:2010, clauses 6.2, 6.11, 6.12, 6.18.1, 6.18.2, 6.18.3"

In 6.2 change the reference in the text to "EN 14988-2:2006 clause 6.13.2" in "EN 14988-1/prA1:2010 clause 6.17.3"

In 6.3 change the reference in the text to "EN 14988-2:2006 clause 6.13.3" in "EN 14988-1/prA1:2010 clause 6.17.4"

In 6.4 change the reference in the text to "EN 14988-2:2006 clause 6.13.4" in "EN 14988-1/prA1:2010 clause 6.17.5"

In 6.5 change the reference in the text to "EN 14988-2:2006 clause 6.13.5" in "EN 14988-1/prA1:2010 clause 6.17.6"

In 6.6 change the reference in the text to "EN 14988-2:2006 clause 6.14.2" in "EN 14988-1/prA1:2010 clause 6.18.2"

In 8.2 renumber Figure 2 in "Figure 3 – Example of warning symbol"