

|            |                                                                           |                                           |
|------------|---------------------------------------------------------------------------|-------------------------------------------|
| <b>STN</b> | <b>Výrobky pre deti a na starostlivosť o deti<br/>Sedadlá na stoličku</b> | <b>STN<br/>EN 16120+A2</b><br><br>94 3022 |
|------------|---------------------------------------------------------------------------|-------------------------------------------|

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 07/17

Obsahuje: EN 16120:2012+A2:2016

Oznámením tejto normy sa od 01.01.2018 ruší  
STN EN 16120+A1 (94 3022) z novembra 2014

## 125120

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017  
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 16120:2012+A2**

December 2016

ICS 97.190; 97.140

Supersedes EN 16120:2012+A1:2014

English Version

**Child use and care articles - Chair mounted seat**

Articles de puériculture - Rehausseurs de chaise

Artikel für Säuglinge und Kleinkinder - Sitzerrhöhungen  
für Stühle

This European Standard was approved by CEN on 25 February 2014 and includes Amendment 2 approved by CEN on 17 September 2016.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 18 January 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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-CENELEC 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, 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 United Kingdom.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

## Contents

Page

|                                                                      |    |
|----------------------------------------------------------------------|----|
| European foreword.....                                               | 4  |
| 1 Scope .....                                                        | 5  |
| 2 Normative references .....                                         | 5  |
| 3 Terms and definitions .....                                        | 5  |
| 4 Test equipment.....                                                | 6  |
| 4.1 Test probes for finger entrapment .....                          | 6  |
| 4.2 Test mass A.....                                                 | 6  |
| 4.3 Test foam.....                                                   | 7  |
| 4.4 Small parts cylinder .....                                       | 7  |
| 4.5 Feeler gauge .....                                               | 7  |
| 4.6 Small torso probe .....                                          | 8  |
| 4.7 Test beam.....                                                   | 8  |
| 4.8 Test sphere .....                                                | 8  |
| 5 General.....                                                       | 8  |
| 5.1 Product conditioning .....                                       | 8  |
| 5.2 Test conditions.....                                             | 8  |
| 5.3 Application of forces .....                                      | 8  |
| 5.4 Tolerances .....                                                 | 8  |
| 5.5 Order of test .....                                              | 9  |
| 6 Chemical hazards - Migration of certain elements (see A.2) .....   | 9  |
| 7 Thermal hazards (see A.3).....                                     | 10 |
| 7.1 Requirements .....                                               | 10 |
| 7.2 Test method .....                                                | 10 |
| 8 Mechanical hazards (see A.4) .....                                 | 10 |
| 8.1 Hazards due to height adjustment or folding of the product ..... | 10 |
| 8.1.1 General.....                                                   | 10 |
| 8.1.2 Unintentional release of locking mechanism(s) .....            | 10 |
| 8.1.3 Test method for the durability of the locking mechanisms ..... | 11 |
| 8.2 Entrapment hazards (see A.4.1) .....                             | 11 |
| 8.2.1 Entrapment of fingers.....                                     | 11 |
| 8.2.2 Entrapment of head.....                                        | 11 |
| 8.3 Hazards due to moving parts (see A.4.2) .....                    | 12 |
| 8.3.1 Requirements for compression points.....                       | 12 |
| 8.3.2 Requirements for shear points .....                            | 12 |
| 8.4 Entanglement hazards (see A.4.3) .....                           | 12 |
| 8.4.1 Requirements .....                                             | 12 |
| 8.4.2 Test method .....                                              | 12 |
| 8.5 Choking and ingestion hazards (see A.4.4) .....                  | 13 |
| 8.5.1 Requirements .....                                             | 13 |
| 8.5.2 Test methods .....                                             | 13 |
| 8.6 Suffocation hazards (see A.4.5) .....                            | 14 |
| 8.6.1 Plastic packaging.....                                         | 14 |
| 8.6.2 Plastic decals.....                                            | 14 |

|                              |                                                                                              |    |
|------------------------------|----------------------------------------------------------------------------------------------|----|
| 8.7                          | Hazardous edges, corners and protruding parts (see A.4.6) .....                              | 14 |
| 8.8                          | Hazards from inadequate structural integrity (see A.4.7) .....                               | 14 |
| 8.8.1                        | Static strength .....                                                                        | 14 |
| 8.8.2                        | Dynamic strength .....                                                                       | 15 |
| 8.9                          | <b>A<sub>2</sub></b> Hazards from falling <b>A<sub>2</sub></b> .....                         | 15 |
| <b>A<sub>2</sub></b> 8.9.1   | <b>A<sub>2</sub></b> Chair attachment systems .....                                          | 15 |
| <b>A<sub>2</sub></b> 8.9.2   | <b>A<sub>2</sub></b> Restraint system .....                                                  | 16 |
| <b>A<sub>2</sub></b> 8.9.3   | <b>A<sub>2</sub></b> Lateral protections (see A.4.8.1) <b>A<sub>2</sub></b> .....            | 17 |
| <b>A<sub>2</sub></b> 8.9.4   | <b>A<sub>2</sub></b> Hazards due to inadequate size (see A.4.8.2) <b>A<sub>2</sub></b> ..... | 19 |
| 9                            | Product information .....                                                                    | 23 |
| 9.1                          | General .....                                                                                | 23 |
| 9.2                          | <b>A<sub>2</sub></b> Marking <b>A<sub>2</sub></b> .....                                      | 23 |
| 9.2.1                        | Requirements .....                                                                           | 23 |
| 9.2.2                        | Durability of marking .....                                                                  | 24 |
| 9.2.3                        | Test method for durability of marking .....                                                  | 24 |
| 9.3                          | Purchase information .....                                                                   | 24 |
| 9.4                          | Instructions for use .....                                                                   | 25 |
| Annex A                      | (informative) Rationales .....                                                               | 27 |
| A.1                          | Introduction .....                                                                           | 27 |
| A.2                          | Chemical hazards (see Clause 6) .....                                                        | 27 |
| A.3                          | Thermal hazards (see Clause 7) .....                                                         | 27 |
| A.4                          | Mechanical hazards (see Clause 8) .....                                                      | 27 |
| A.4.1                        | Entrapment hazards (see 8.2) .....                                                           | 27 |
| A.4.2                        | Hazards due to moving parts (see 8.3) .....                                                  | 27 |
| A.4.3                        | Entanglement hazards (see 8.4) .....                                                         | 28 |
| A.4.4                        | Choking and ingestion hazards (see 8.5) .....                                                | 28 |
| A.4.5                        | Suffocation hazards (see 8.6) .....                                                          | 28 |
| A.4.6                        | Hazardous edges, corners and protruding parts (see 8.7) .....                                | 28 |
| A.4.7                        | Hazards from inadequate structural integrity (see 8.8) .....                                 | 28 |
| A.4.8                        | Hazards from falling (see 8.9) .....                                                         | 28 |
| <b>A<sub>1</sub></b> Annex B | (informative) <b>A<sub>1</sub></b> A-deviation .....                                         | 30 |
| <b>A<sub>2</sub></b> Annex C | <b>A<sub>2</sub></b> (normative) Warnings .....                                              | 31 |
| Bibliography                 | .....                                                                                        | 41 |

## European foreword

This document (EN 16120:2012+A2:2016) has been prepared by Technical Committee CEN/TC 252 “Child use and care articles”, the secretariat of which is held by AFNOR.

**A2** 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 June 2017, and conflicting national standards shall be withdrawn at the latest by December 2017. **A2**

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.

**A2** This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. **A2**

This document includes Amendment 1 approved by CEN on 2014-02-25 and Amendment 2 approved by CEN on 2016-09-17.

This document supersedes **A2** EN 16120:2012+A1:2014 **A2**.

The start and finish of text introduced or altered by amendment is indicated in the text by tags **A1** **A1** and **A2** **A2**.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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 chair mounted seats intended to be positioned on an adult chair to raise the sitting position of a child able to sit unaided up to an age of 36 months or a maximum weight of 15 kg.

This European Standard does not apply to cushions, pads and to products only aimed at restraining the child on a chair without raising the child's sitting position. Ⓐ

## 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 71-2:2011+A1:2014, *Safety of toys — Part 2: Flammability* Ⓐ

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

Ⓐ *deleted text* Ⓐ

EN ISO 2439, *Flexible cellular polymeric materials — Determination of hardness (indentation technique)* (ISO 2439)

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**