

ICS: 97.200.50

Geregistreeerde Belgische norm

NBN EN 71-1+A6

6e uitg., november 2008

Normklasse: S 25

Veiligheid van speelgoed - Deel 1 : Mechanische en fysische eigenschappen

Sécurité des jouets - Partie 1: Propriétés mécaniques et physiques

Safety of toys - Part 1: Mechanical and physical properties

Toelating tot publicatie: 26 november 2008

Vervangt NBN EN 71-1+A4 (2007).

Deze Europese norm EN 71-1+A6:2008 heeft de status van een Belgische norm.

Deze Europese norm bestaat in drie officiële versies (Duits, Engels, Frans).



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Bank 000-3255621-10 IBAN BE41 0003 2556 2110 BIC BPOT BEB1 BTW: BE 0880.857.592

ICS: 97.200.50

*norme belge
enregistrée*

NBN EN 71-1+A6

6e éd., novembre 2008

Indice de classement: S 25

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Autorisation de publication: 26 novembre 2008

Remplace NBN EN 71-1+A4 (2007).

La présente norme européenne EN 71-1+A6:2008 a le statut d'une norme belge.

La présente norme européenne existe en trois versions officielles (allemand, anglais, français).



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Banque 000-3255621-10 IBAN BE41 0003 2556 2110 BIC BPOT BEB1 TVA: BE 0880.857.592

English Version

Safety of toys - Part 1: Mechanical and physical properties

Sécurité des jouets - Partie 1: Propriétés mécaniques et physiques

Sicherheit von Spielzeug - Teil 1: Mechanische und physikalische Eigenschaften

This European Standard was approved by CEN on 19 September 2005 and includes Amendment 1 approved by CEN on 10 January 2007, Amendment 3 approved by CEN on 7 September 2006, Amendment 4 approved by CEN on 13 March 2007, Amendment 5 approved by CEN on 18 April 2008, Amendment 6 approved by CEN on 5 February 2008 and the Corrigendum issued in 2006.

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Contents

Page

Foreword.....	6
Introduction	7
1 Scope (see A.2)	8
2 Normative references	9
3 Terms and definitions	9
4 General requirements.....	14
4.1 Material (see A.3)	14
4.2 Assembly (see A.4)	14
4.3 Flexible plastic sheeting (see A.5 and A.16)	14
4.4 Toy bags	15
4.5 Glass (see 5.7 and A.6).....	15
4.6 Expanding materials (see A.7).....	15
4.7 Edges (see A.8)	15
4.8 Points and A_6 metallic A_6 wires (see A.9)	16
4.9 Protruding parts (see A.10).....	16
4.10 Parts moving against each other	16
4.10.1 Folding and sliding mechanisms (see A.11).....	16
4.10.2 Driving mechanisms (see A.12).....	18
4.10.3 Hinges (see A.13).....	18
4.10.4 Springs (see A.14).....	18
4.11 Mouth-actuated toys (see A.15).....	19
4.12 Balloons (see 4.3 and A.16)	19
4.13 Cords of toy kites and other flying toys (see A.17).....	19
4.14 Enclosures.....	19
4.14.1 Toys which a child can enter (see A.18).....	19
4.14.2 Masks and helmets (see A.19).....	20
4.15 Toys intended to bear the mass of a child (see A.20).....	21
4.15.1 Toys propelled by a child or by other means	21
4.15.2 Free-wheeling toy bicycles (see A.20)	23
4.15.3 Rocking horses and similar toys (see A.21)	24
4.15.4 Toys not propelled by a child.....	25
4.15.5 Toy scooters (see A.49)	25
4.16 Heavy immobile toys	26
4.17 Projectiles (see A.22).....	26
4.17.1 General.....	26
4.17.2 Projectile toys without stored energy.....	27
4.17.3 Projectile toys with stored energy	27
4.17.4 Bows and arrows	27
4.18 Aquatic toys (see A.23)	28
4.19 A_1 Percussion caps specifically designed for use in toys and toys using percussion caps (see A.24) A_1	28
4.20 Acoustics (see A.25).....	28
4.21 A_6 Toys containing a non-electrical heat source A_6	29
4.22 Small balls (see 5.10 and A.48).....	29
5 Toys intended for children under 36 months	29
5.1 General requirements (see A.26).....	29
5.2 Filling materials (see A.27)	30
5.3 Plastic sheeting (see A.28)	31
5.4 Cords on toys (see A.29).....	31
5.5 Liquid-filled toys (see A.30)	32

5.6	Speed limitation of electrically driven toys	32
5.7	Glass and porcelain (see 4.5 and A.6).....	32
5.8	Shape and size of certain toys (see A.31).....	32
5.9	Toys comprising monofilament fibres (see A.32)	32
5.10	Small balls (see also 4.22 and A.48)	32
5.11	Play figures	33
5.12	Hemispheric-shaped toys (see A.50).....	33
5.13	Suction cups	36
6	Packaging.....	37
7	Warnings and instructions for use (see A.33).....	37
7.1	General	37
7.2	Toys not intended for children under 36 months (see A.34)	37
7.3	Latex balloons (see 4.12 and A.16).....	38
7.4	Aquatic toys (see 4.18 and A.23)	38
7.5	Functional toys (see A.35).....	38
7.6	Hazardous sharp functional edges and points (see 4.7 and 4.8)	38
7.7	Projectiles (see 4.17.3 c) and 4.17.4 c).....	38
7.8	Imitation protective masks and helmets (see 4.14.2 and A.19)	38
7.9	Toy kites (see 4.13).....	39
7.10	Roller skates, inline skates and toy skateboards (see 4.15.1.2).....	39
7.11	Toys intended to be strung across a cradle, cot, or perambulator (see 5.4 e).....	39
7.12	Liquid-filled teethingers (see 5.5).....	39
7.13	Percussion caps specifically designed for use in toys (see 4.19)	39
7.14	Acoustics (see 4.20 f).....	39
7.15	Toy bicycles (see 4.15.2.2)	39
7.16	A4 Toys intended to bear the mass of a child (see 4.10.1, 4.15.1.2, 4.15.3 and 4.15.4) A4	40
7.17	Toys comprising monofilament fibres (see 5.9).....	40
7.18	Toy scooters (see 4.15.5.2).....	40
8	Test methods	41
8.1	General requirements for testing.....	41
8.2	Small parts cylinder (see 4.6, 4.11, 4.18, 5.1, 5.2 and A.36).....	41
8.3	Torque test (see 4.6, 4.11, 4.14.2, 4.18, 4.22, 5.1, 5.10, 5.12 and 5.13).....	41
8.4	Tension test (see A.37)	42
8.4.1	Apparatus	42
8.4.2	Procedure	42
8.5	Drop test (see 4.6, 4.10.2, 4.14.2, 4.22, 5.1, 5.10, 5.12 and 5.13).....	43
8.6	Tip over test (see 4.10.2, 4.22, 5.1, 5.10 and 5.12)	43
8.7	Impact test (see 4.6, 4.10.2, 4.14.2, 4.22, 5.1, 5.10, 5.12, 5.13 and A.38).....	44
8.8	Compression test (see 4.6, 4.14.2, 4.22, 5.1, 5.10, 5.12, 5.13 and A.39)	44
8.9	Soaking test (see 4.11, 5.1, 5.10 and 5.12)	44
8.10	Accessibility of a part or component (see 4.5, 4.7, 4.8, 4.10.2, 4.10.4, 4.15.1.3, 4.21, 5.1 and 5.7).....	44
8.10.1	Principle.....	44
8.10.2	Apparatus	45
8.10.3	Procedure	45
8.11	Sharpness of edges (see 4.7, 4.9, 4.10.2, 4.14.2, 4.15.1.3 and 5.1)	47
8.11.1	Principle.....	47
8.11.2	Apparatus	47
8.11.3	Procedure	48
8.12	Sharpness of points (see 4.8, 4.10.2, 4.14.2, 4.15.1.3, 5.1 and A.40)	48
8.12.1	Principle.....	48
8.12.2	Apparatus	48
8.12.3	Procedure	49
8.13	Flexibility of A6 metallic A6 wires (see 4.8 and A.41).....	50
8.13.1	A6 General	50
8.13.2	Metallic wires and other metallic components intended to be bent	50
8.13.3	Metallic wires likely to be bent.....	50
8.14	Expanding materials (see 4.6).....	50
8.15	Leakage of liquid-filled toys (see 5.5 and A.42)	51

EN 71-1:2005+A6:2008 (E)

8.16	Geometric shape of certain toys (see 5.8, 5.11 and A.43)	51
8.17	A4 Durability of mouth-actuated toys (see 4.11 and A.44)	52
8.17.1	Mouth-actuated projectile toys	52
8.17.2	Other mouth-actuated toys	52
8.18	Folding or sliding mechanisms (see 4.10.1 and A.45)	53
8.18.1	Loads	53
8.18.2	Toy pushchairs and perambulators	53
8.18.3	Other collapsible toys (see 4.10.1 c))	54
8.19	Electric resistivity of cords (see 4.13)	54
8.20	Cord thickness (see 5.4)	54
8.21	Static strength (see 4.15.1.3, 4.15.1.5, 4.15.3, 4.15.4 and A.46)	54
8.22	Dynamic strength (see 4.15.1.3)	55
8.22.1	Principle	55
8.22.2	Loads	56
8.22.3	Procedure	56
8.23	Stability	58
8.23.1	Toys intended to bear the mass of a child (see 4.15.1.4, 4.15.3 and 4.15.4)	58
8.23.2	Heavy immobile toys (see 4.16)	58
8.24	Determination of kinetic energy (see A.47)	58
8.24.1	Kinetic energy of projectiles (see 4.17.3)	58
8.24.2	Kinetic energy of bows and arrows (see 4.17.4)	59
8.25	Plastic sheeting	59
8.25.1	Thickness (see 4.3, 5.3 and 6)	59
8.25.2	Adhesion (see 5.3)	59
8.26	Brake performance	59
8.26.1	Brake performance for toys other than toy bicycles (see 4.15.1.5)	59
8.26.2	Brake performance for toy bicycles (see 4.15.2.4)	60
8.26.3	Brake performance for toy scooters (see 4.15.5.5)	60
8.27	Strength of toy scooter steering tubes (see 4.15.5.3)	61
8.27.1	Resistance to downward forces	61
8.27.2	Resistance to upward forces	62
8.28	Determination of emission sound pressure levels (see 4.20)	62
8.28.1	Installation and mounting conditions	62
8.28.2	Measurement procedure	64
8.29	Determination of speed of electrically driven ride-on toys (see 5.6)	68
8.30	Measurement of temperature rises (see 4.21)	68
8.31	Toy chest lids (see 4.14.1 c))	68
8.31.1	Lid support	68
8.31.2	Durability test for vertically opening hinged lids	69
8.32	Small balls and suction cups test (see 4.22, 5.10 and 5.13)	69
8.32.1	A5 Small balls and suction cups A5	69
8.32.2	A5 Small balls attached to a toy by a string	69
8.33	Test for play figures (see 5.11)	70
Annex A (informative) A4 Background and rationale for this standard		71
A.1	General	71
A.2	Scope (see Clause 1)	71
A.3	Material (see 4.1)	72
A.4	Assembly (see 4.2)	72
A.5	Flexible plastic sheeting (see 4.3)	72
A.6	Glass (see 4.5 and 5.7)	72
A.7	Expanding materials (see 4.6)	72
A.8	Edges (see 4.7)	72
A.9	Points and A6 metallic A6 wires (see 4.8)	73
A.10	Protruding parts (see 4.9)	73
A.11	Folding and sliding mechanisms (see 4.10.1)	74
A.12	Driving mechanisms (see 4.10.2)	74
A.13	Hinges (see 4.10.3)	74
A.14	Springs (see 4.10.4)	75
A.15	Mouth-actuated toys (see 4.11)	75
A.16	Balloons (see 4.3, 4.12 and 7.3)	75

A.17	Cords of toy kites (see 4.13).....	75
A.18	Toys which a child can enter (see 4.14.1).....	75
A.19	Masks and helmets (see 4.14.2 and 7.8).....	76
A.20	Toys intended to bear the mass of a child (see 4.15).....	76
A.21	Rocking horses and similar toys (see 4.15.3).....	77
A.22	Projectiles (see 4.17).....	77
A.23	Aquatic toys (see 4.18 and 7.4).....	77
A.24	A Percussion caps specifically designed for use in toys and toys using percussion caps (see 4.19) A	78
A.25	Acoustics (see 4.20).....	78
A.26	General requirements for toys intended for children under 36 months (see 5.1).....	78
A.27	Filling materials (see 5.2).....	79
A.28	Adhesion of plastic sheeting (see 5.3).....	79
A.29	Cords on toys (see 5.4).....	79
A.30	Liquid-filled toys (see 5.5 and A.42).....	79
A.31	Shape and size of certain toys (see 5.8 and A.43).....	80
A.32	Toys comprising monofilament fibres (see 5.9).....	80
A.33	Warnings and instructions for use (see 7.1).....	80
A.34	Warning for toys not intended for children under 36 months (see 7.2).....	80
A.35	Warnings in connection with functional toys (see 7.5).....	80
A.36	Small parts cylinder (see 8.2).....	81
A.37	Tension test (see 8.4).....	81
A.38	Impact test (see 8.7).....	81
A.39	Compression test (see 8.8).....	81
A.40	Sharpness of points (see 8.12).....	81
A.41	Flexibility of A6 metallic A6 wires (see 8.13).....	81
A.42	Leakage of liquid-filled teething toys (see 8.15 and A.30).....	81
A.43	Geometric shape of certain toys (see 8.16 and A.31).....	81
A.44	Durability of mouth-actuated toys (see 8.17).....	82
A.45	Folding or sliding mechanisms (see 8.18).....	82
A.46	Static strength (see 8.21).....	82
A.47	Kinetic energy of projectiles, bows and arrows (see 8.24).....	82
A.48	Small balls (see 4.22 and 5.10) A6 deleted text A6	82
A.49	Toy scooters (see 4.15.5).....	83
A.50	Hemispheric-shaped toys (see 5.12).....	84
Annex ZA (informative) Clauses of this European Standard addressing essential requirements or other provisions of EU Directives.....		85
Bibliography.....		87

Foreword

This European Standard (EN 71-1:2005+A6:2008) has been prepared by Technical Committee CEN/TC 52 “Safety of toys”, the secretariat of which is held by DS.

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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

This document includes Amendment 1, approved by CEN on 2007-01-10, Amendment 3 approved by CEN on 2006-09-07, Amendment 4 approved by CEN on 2007-03-13, Amendment 5 approved by CEN on 2008-04-18, Amendment 6 approved by CEN on 2008-02-05 and the Corrigendum issued on 2006-02-01.

This document supersedes A4 EN 71-1:2005+A4:2007 A4.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1, A3 A3, A4 A4 A5 A5 and A6 A6.

The modifications of the related CEN Corrigendum have been implemented at the appropriate places in the text and are indicated by the tags AC AC.

A4 *deleted text* A4

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this European Standard.

This European Standard constitutes the first part of the European Standard on safety of toys.

This European Standard for safety of toys consists of the following parts:

- Part 1: *Mechanical and physical properties*
- Part 2: *Flammability*
- Part 3: *Migration of certain elements*
- Part 4: *Experimental sets for chemistry and related activities*
- Part 5: *Chemical toys (sets) other than experimental sets*
- Part 6: *Graphical symbol for age warning labelling*
- Part 7: *Finger paints – Requirements and test methods*
- Part 8: *Swings, slides and similar activity toys for indoor and outdoor family domestic use*
- Part 9: *Organic chemical compounds – Requirements*
- Part 10: *Organic chemical compounds – Sample preparation and extraction*
- Part 11: *Organic chemical compounds – Methods of analysis*

NOTE 1 In addition to the above parts of EN 71, the following guidance documents have been published: CEN Report, CR 14379:2002, *Classification of toys - Guidelines*, CEN Technical Report CEN/TR 15071:2005, *Safety of toys - National translations of warnings and instructions for use in EN 71* and CEN Technical Report CEN/TR 15371:2006, *Safety of toys – Replies to requests for interpretation of EN 71-1, EN 71-2, and EN 71-8* A4.

NOTE 2 Different legal requirements may exist in non-EU countries.

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, 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.

Introduction

The European Standards aim at reducing as far as possible those risks which are not evident to users; they do not cover inherent dangers (e.g. instability of scooters, sharp needles in a sewing kit etc.) that are obvious to children or the persons in charge of them. Assuming that the toys are used in the manner for which they are intended, they should not present any further risk to children for whom they are intended. Allowance should also be made for normal or foreseeable use, bearing in mind the normal behaviour of children who do not generally share the same degree of care as the average adult user.

As a general rule, toys are designed and manufactured for particular ages of children. Their characteristics are related to the age and stage of development of the children, and their use presupposes certain aptitudes.

Accidents are frequently due to a toy either being given to a child for whom it is not intended, or being used for a purpose other than that for which it was designed. Great care should therefore be taken when choosing a toy or game; account should be taken of the mental and physical development of the child who will be using it.

The requirements of this European Standard do not release parents or carers from their responsibility of watching over the child while he or she is playing.

1 Scope (see A.2)

This European Standard specifies requirements and methods of tests for mechanical and physical properties of toys.

This European Standard applies to toys for children, toys being any product or material designed or clearly intended for use in play by children of less than 14 years. It refers to new toys taking into account the period of foreseeable and normal use, and that the toys are used as intended or in a foreseeable way, bearing in mind the normal behaviour of children.

It includes specific requirements for toys intended for children under 36 months and for children who are too young to sit up unaided. For the purpose of this European Standard, *soft-filled* toys with simple features intended for holding and cuddling are considered as toys intended for children under 36 months.

This European Standard also specifies requirements for *packaging*, marking and labelling.

This European Standard does not cover musical instruments, sports equipment or similar items but does include their toy counterparts.

This European Standard does not cover electrical safety aspects of toys. These are covered by EN 50088, *Safety of electric toys*.

Furthermore, it does not cover the following items which, for the purpose of this European Standard, are not considered as toys:

- Christmas decorations (see A.2);
- detailed scale models for adult collectors (see A.2);
- equipment intended to be used collectively in playgrounds;
- sports equipment;
- aquatic equipment intended to be used in deep water;
- folk dolls and decorative dolls and other similar articles for adult collectors;
- "professional" toys installed in public places (shopping centres, stations etc.) (see A.2);
- puzzles with more than 500 pieces or without picture, intended for specialists;
- air guns and air pistols (see A.2);
- fireworks, including percussion caps except percussion caps specifically designed for toys;
- slings and catapults (see A.2);
- sets of darts with metallic points;
- electric ovens, irons or other functional products operated at a nominal voltage exceeding 24 V;
- products containing heating elements intended for use under the supervision of an adult in a teaching context;
- vehicles with combustion engines (see A.2);
- toy steam engines;
- bicycles designed for sport or for travel on the public highway;
- video toys that can be connected to a video screen, operated at a nominal voltage exceeding 24V;
- babies' dummies (soothers);
- faithful reproductions of real fire arms;
- fashion jewellery for children (see A.2).

Also, for the purpose of this European Standard, the following items are not considered as toys:

- flotation aids such as arm bands and swim seats (see A.23);
- swimming goggles, sunglasses and other eye protectors as well as bicycle and skateboard helmets (see A.19);
- items that are propelled into free flight by a child releasing an elastic band (e.g. aeroplanes and rockets). These are considered as catapults (see 11th indent above);
- bows for archery with an overall relaxed length exceeding 120 cm.