

## DIN EN 71-1



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Supersedes  
DIN EN 71-1:2018-08

**Safety of toys –  
Part 1: Mechanical and physical properties;  
English version EN 71-1:2014+A1:2018,  
English translation of DIN EN 71-1:2018-12**

Sicherheit von Spielzeug –  
Teil 1: Mechanische und physikalische Eigenschaften;  
Englische Fassung EN 71-1:2014+A1:2018,  
Englische Übersetzung von DIN EN 71-1:2018-12

Sécurité des jouets –  
Partie 1: Propriétés mécaniques et physiques;  
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In case of doubt, the German-language original shall be considered authoritative.

*A comma is used as the decimal marker.*

## **Start of application**

The start of application of this standard is 2018-08-01.

## **National foreword**

This standard includes safety requirements.

This document (EN 71-1:2014+A1:2018) has been prepared by Technical Committee CEN/TC 52 "Safety of toys" (Secretariat: DS, Denmark).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sicherheitstechnische Grundsätze* (DIN Standards Committee Safety Design Principles), Working Committee NA 095-05-01 AA "Safety of toys".

The DIN documents corresponding to the international documents referred to in this document are as follows:

|                |                                     |
|----------------|-------------------------------------|
| ISO 4593       | DIN 53370                           |
| ISO 7619-2     | DIN ISO 7619-2                      |
| IEC/TS 60318-7 | DIN IEC/TS 60318-7 (DIN SPEC 45608) |

## **Amendments**

This standard differs from DIN EN 71-1:2015-02 as follows:

- a) the Scope has been expanded to include certain flying toys and toy slings and toy catapults supplied with projectiles;
- b) normative references have been updated;
- c) existing definitions have been changed and new definitions have been included;
- d) requirements for projectile toys (4.17) have been revised;
- e) requirements for toy disguise costumes (4.26) have been added;
- f) requirements for flying toys, including requirements on rotors and propellers and certain remote controlled flying toys (4.27) have been added;
- g) requirements for cords (5.4) have been revised;
- h) requirements for sledges with cords for pulling (5.15) have been added;
- i) requirements for warnings (Clause 7), in particular for projectile toys (7.7) and toys with cords or chains intended for children of 18 months and over but under 36 months (7.22) have been revised and new requirements for warnings for toys intended to be attached to a cradle, cot or perambulator (7.23), for sledges with cords for pulling (7.24), for flying toys (7.25) and for improvised projectiles (7.26) have been included;

- j) the tension test (8.4) has been revised;
- k) the test loads for test methods for toy scooters (8.22, 8.23 and 8.27) have been amended;
- l) the methods to measure the length of cords, chains and electrical cables (8.40) have been revised and new test methods for the assessment of the tangle potential of two cords or chains (8.41), for the determination of projectile range (8.42), for the assessment of leading parts of projectiles and flying toys (8.43) and for the length of suction cup projectiles (8.44) have been included;
- m) in Annex A, some Remarks/Notes have been revised and new rational for cords and drawstrings (A.57) as well as for flying toys, rotors and propellers (A.58) have been included;
- n) the Bibliography has been updated.

Compared with DIN EN 71-1:2018-08, the following corrections have been made to the German version:

- a) in subclause 4.17.3.5, in the key of Figure 15, “R” has been replaced by “r”;
- b) in subclause 5.8, second paragraph, the term “*im Lieferzustand*” has been added in the German version;
- c) in subclause 5.10 b), the term “*holzgeklebtes Spielzeug*” has been replaced by “*geklebtes Holzspielzeug*” in the German version;
- d) in subclause 8.11.2.4, first sentence, the term “*hochtemperaturempfindliches*” has been replaced by “*hochtemperaturbeständiges*” in the German version;
- e) in subclause 8.4.2.2 a), last paragraph, “Figure 22” has been replaced by “Figure 24”;
- f) in subclause 8.26.3.2, first paragraph, “Figure 31” has been replaced by “Figure 34”;
- g) in Clause A.19, last paragraph, the sentence “*Sonnenbrillen, die die Augen schützen sollen, gelten nicht als Spielzeug, da sie eine persönliche Schutzausrüstung darstellen*” has been deleted in the German version;
- h) Figure A.3 has been corrected;
- i) in Clause A.52, in the paragraph below Formula (A.12), “Figure A.4” has been replaced by “Figure A.6”.

## Previous editions

DIN 66070-1: 1972-02, 1975-09

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DIN EN 71-1/A11: 2005-02

DIN EN 71-1 Corrigendum 1: 2006-05, 2013-06

**National Annex NA**  
(informative)

**Bibliography**

DIN 53370, *Testing of plastics films — Determination of the thickness by mechanical scanning*

DIN ISO 7619-2, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 2: IRHD pocket meter method*

DIN IEC/TS 60318-7 (DIN SPEC 45608), *Electroacoustics — Simulators of human head and ear — Part 7: Head and torso simulator for the measurement of hearing aids*

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

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