

**BUREAU OF INDIAN STANDARDS**

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भारतीय मानक मसौदा

खिलौनों की सुरक्षा — भाग 4: घरेलू उपयोग के लिए गतिविधि आधारित खिलौने

(पहला पुनरीक्षण)

*Draft Indian Standard*

**Safety of toys — Part 4: Activity toys for domestic use**

*(First Revision)*

(ICS No. 97.200.50)

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Toys and Related test Methods  
Sectional Committee, PCD 30

Last date for receipt of comments is  
24 August 2025

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**NATIONAL FOREWORD**

*(Formal clauses will be added later)*

This Standard was first published in 2017 which is identical with ISO 8124-4 : 2014 ‘Safety of toys — Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use’ The first revision of this standard has been undertaken to align it with the latest version of ISO 8124-4: 2025 ‘Safety of toys — Part 4: Activity toys for domestic use.

In this revision, the title of the standard has been changed, and other changes are listed in Annex A.

This Indian Standard is published in several parts. The other parts in this series are:

Part 1: Safety Aspects Related To Mechanical and Physical Properties

Part 2 Flammability

Part 3 Migration of certain elements

Part 5 Determination of total concentration of certain elements in toys

Part 6 Determination of certain phthalate esters in toys and children’s products

Part 7 Requirements and test methods for finger paints

Part 8 Age determination guidelines

Part 9 Certain phthalate esters in toys and children’s products

Part 10 Experimental sets for chemistry and related activities

**Part 11 Chemical toys (sets) other than experimental sets**

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions and terminologies are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in their respective places, is listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 868 Plastics and ebonite — Determination of indentation hardness by means of a durometer (Shore hardness)	IS 13360 (Part 5/Sec 11):2013 - Plastics - Methods of testing: Part 5 mechanical properties section 11 determination of indentation hardness by means of durometer (Shore Hardness) (First Revision)	Identical
ISO 7010:2019 Graphical symbols — Safety colours and safety signs — Registered safety signs	IS 16451:2023 Graphical Symbols — Safety Colours and Safety Signs — Registered Safety Signs	Identical
ISO 8124-1:2022 Safety of toys — Part 1: Safety aspects related to mechanical and physical properties	PCD/30/24680 - Safety of toys: Part 1 safety aspects related to mechanical and physical properties (Fifth Revision)	Identical

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2: 2022 ‘Rules for rounding off numerical values (second revision)’.

**NOTE** — The technical content of the document is not available on website. For details, please refer the corresponding ISO 8124-4: 2025 or kindly contact:

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**Annex A***(National foreword)***List of changes introduced in the revised ISO standard**

1.	The Scope has been modified to exclude pools over 400 mm deep
2.	The definition of "activity toy" has been modified to reflect the inclusion of paddling pools
3.	The definition of "barrier" has been modified to include the concepts of prevention of passing through or beneath the device
4.	The definition of "declined plane" has been added to support requirements for slides
5.	Definitions for "hand-gripping component" and "hand-grasping component" have been added
6.	A definition for "resilient behaviour" has been added
7.	A modification has been made requiring conformity with relevant requirements from <a href="#">ISO 8124-1</a> after testing
8.	Requirements have been added for materials to be resistant to degradation
9.	General requirements for hardware have been added
10.	Requirements for the diameter of ropes and other means of suspension, including an option for free hanging ropes, have been added
11.	A general requirement concerning crush and shear points has been added, and such requirements have been removed from specific component clauses
12.	A general requirement concerning hand-gripping and hand-grasping components has been added
13.	The minimum height of barrier for platforms from 1 000 mm to 1 830 mm above the ground has been changed to align with ASTM F1148
14.	References to handrails have been removed in requirements for barriers
15.	Requirements for handrails for rung ladders, step ladders and stairways have been added
16.	Head and neck entrapment requirements have been modified to align with EN 71-8
17.	Finger entrapment requirements have been modified to align with EN 71-8
18.	The toggle test has been modified to align with EN 71-8
19.	Certain declined planes have been removed from slide requirements
20.	Attachment slides have been removed from stability requirements
21.	A lower mass test has been added for slides that are not suitable for children 36 months or over
22.	The mass tolerance for stability test load has been modified from 2 kg to 0,5 kg
23.	A requirement for a minimum radius on the finishing end of retaining sides on the run-out section of slides has been added
24.	The width requirement for the starting section of slides has been modified to be at least the same as the width of the sliding section
25.	A requirement for handrails on the starting section of slides has been added
26.	A test method for inclination of the sliding section of slides has been added from EN 71-8
27.	A requirement and test method from EN 71-8 <sup>[1]</sup> for the angle along the sliding section and run-out section on slides have been added

28.	A requirement concerning attachment of swing elements to upper body components from ASTM F1148 <sup>[2]</sup> has been added
29.	The testing for stability of swings has been modified to be dependant only on the height of the crossbeam
30.	A calculation of number of users in alignment with EN 71-8 <sup>[1]</sup> has been added for swings and other toys with crossbeams
31.	Requirements for the geometry and design of swing elements have been added to align with EN 71-8
32.	The testing for impact from swing elements has been modified to align with EN 71-8
33.	The distance from the ground to upper rotation point is now used when determining the minimum distance between suspension points and the minimum clearance between swing elements and the ground
34.	A requirement for suspension couplings to be prefixed to the means of suspension has been added
35.	Requirements for the stability of see-saws have been added
36.	Requirements concerning pinching and crushing from see-saws have been added
37.	Requirements for hand supports on see-saws have been added
38.	A requirement for anchor points at all external corners of inflatable activity toys has been added
39.	Requirements concerning operating instructions have been added
40.	The warning requirements for paddling pools have been modified to remove symbol options