

ICS 97.200.40

CCS Y57



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 37219-2023

Replacing GB/T 37219-2018

Safety specification of inflatable play equipment

充气式游乐设施安全规范

Issued on: December 28, 2023

Implemented on: July 1, 2024

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 General requirements	3
5 Zipper	14
2 Inspection, testing and test methods	14
3 Product Operation and Maintenance Instructions	20
22 Appendix B (Normative) Touchdown Test Method.....	23

Foreword

This document complies with the provisions of GB/T 1:1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting: This document replaces GB/T 37219-2018 "Safety Specifications for Inflatable Amusement Facilities": Compared with GB/T 37219-2018, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows:

- a) Changed the scope of application (see Chapter 1, Chapter 1 of the:2018 edition);
- b) Changes in terms and definitions (see Chapter 3, Chapter 3 of the:2018 edition);
- c) Fixed safety requirements changed (see 5:1, 4:2 of the:2018 version);
- d) Added safety requirements for inflatable slides (see 5:6);
- e) Changed the content of pinch protection (see 5:7, 4:7 of the:2018 version);
- f) Added special requirements for wading inflatable amusement facilities and non-sustainable inflatable amusement facilities (see 5:10 and 5:11);
- g) The hazardous substance limits of materials have been changed (see 6:1:3, 5:1:3 of the:2018 version);
- h) Delete the inspection and test of pinch protection, fence height test, ground contact test, anchor point tensile test, load test, flexible fabric Test methods such as strength test and flame retardancy test of materials (see Chapter 6 of the:2018 edition);
- i) Added inspection, testing and testing methods (see 7:2);
- j) The content of usage management has been changed (see Chapter 9, Chapter 8 of the:2018 edition);

k) The content of the touchdown test method has been changed (see Appendix B, Appendix B of the:2018 version);

l) The extrusion test method has been deleted (see Appendix C of the:2018 version):
Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents: This document is proposed and managed by the State Administration for Market Regulation: The previous versions of this document and the documents it replaces are as follows:

---First published as GB/T 37219-2018 in:2018;

1 Scope

GB 37219-2023 is the Chinese national standard on safety specification of inflatable play equipment, in the field of domestic and commercial equipment, entertainment, sport. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 28 December 2023 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2024. Classification: ICS 97.200.40, CCS Y57. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document stipulates the overall requirements, safety requirements, material requirements, random documents and usage management requirements for inflatable amusement facilities, and describes Inspection, testing and test methods: This document applies to inflatable amusement equipment for children aged 3 to 14 years old and used on land: This document does not apply to inflatable toys, inflatable buildings, rubber boats, inflatable swimming pools and those used for advertising, exhibitions, acrobatic performances, safety, rescue Inflatable facilities for aid, aviation and aerospace purposes:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 529 Determination of tear strength of vulcanized rubber or thermoplastic rubber (trouser-shaped, right-angled and crescent-shaped specimens)

GB/T 1804 General tolerances Tolerances for linear and angular dimensions without

tolerances noted

GB/T 2408 Horizontal and vertical methods for determination of combustion properties of plastics

GB 2894 Safety signs and guidelines for their use

GB 3096 Acoustic environment quality standard

GB/T 3805 Extra low voltage (ELV) limits

GB/T 4208 Shell protection level (IP code) GB 4706:

1 Safety of household and similar electrical appliances Part 1: General requirements GB 6675:

3 Toy Safety Part 3: Flammability GB 6675:

3 Terms and definitions

The terms and definitions defined in GB/T 28622 and the following apply to this document:

4 Toy Safety Part 4: Migration of Specific Elements

GB 8408 Safety Specifications for Large Amusement Facilities

GB/T 20050-2020 General requirements for inspection and testing of large-scale amusement facilities

GB/T 21328 General requirements for fiber ropes

GB/T 22048 Determination of specific phthalate plasticizers in toys and children's products

GB 24613-2009 Limits of harmful substances in coatings for toys

GB/T 28622 Terminology for unpowered amusement equipment

GB/T 34272-2017 Safety Specifications for Small Amusement Facilities CJ/T 244 swimming pool water quality standards

HG/T 2580 Determination of tensile strength and elongation at break of rubber or plastic coated fabrics

HG/T 3052 Determination of adhesive strength of coating layer of rubber or plastic coated fabrics SN/T 1877:

2 Determination method of polycyclic aromatic hydrocarbons in plastic raw materials and their products SN/T 1877:

4 Determination method of polycyclic aromatic hydrocarbons in rubber and its products