

ICS 97.220.30
CCS Y 55



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

GB 47368-2026

Indoor stationary training equipment - Safety requirements

室内固定式健身器材 安全要求

Issued on: March 31, 2026

Implemented on: October 1, 2027

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

Table of Contents

1	Scope
5	Requirements
5.2	Structural and Mechanical Safety
5.4	Limits for Hazardous Substances
5.5	Durability
5.6	Labeling and Instruction Requirements
6	Test Methods
6.3	Limits for Hazardous Substances
6.3.3	Phthalate Content
6.3.4	Polycyclic aromatic hydrocarbon content
6.4	Durability

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. Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

This document aims to regulate the safety of indoor fixed fitness equipment in order to maximize the protection of the lives of users and related personnel. And property security. In the process of formulating this document, factors such as my country's national conditions, the current state of the consumer goods industry, and future development trends were taken into consideration. The safety requirements for indoor fixed fitness equipment are the most basic requirements to be followed in order to protect the personal and property safety of relevant personnel. Given... With the rapid development of information technology and the widespread application of the Internet, manufacturers are fully considering the issues involved in collection, storage, use, sharing, transfer, and public disclosure. In accordance with relevant laws and regulations, we will safeguard the security of personal information, including personal information, and protect the legitimate rights and interests of individuals and the public interest to the greatest extent possible. Indoor stationary fitness equipment Safety requirements

1 Scope

GB 47368-2026 is the Chinese national standard covering gym equipment - the stability, the entrapment and crush points, the weight stacks and their guarding, the emergency stop on a treadmill and the maximum user mass, on machines used unsupervised by people of every level of fitness. A mandatory standard, first edition, in force from 1 October 2027. It was issued on 31 March 2026 and takes effect on 1 October 2027, as a first edition. The document is under the responsibility of the Ministry of Industry and Information Technology. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document defines the terminology and definitions for indoor stationary fitness equipment, specifies product classification, requirements, labeling and instruction requirements, and describes... Experimental methods. This document applies to fixed fitness equipment (hereinafter referred to as equipment) products used indoors by people aged 14 and above.

4. Classification Classified by purpose. Category S. Professional or commercial use. Class H. For home use. Class I. For professional or commercial use, and also suitable for people with special needs (such as those with visual, hearing, physical or intellectual disabilities).

5 Requirements

5.1 Basic Requirements Indoor fixed fitness equipment should meet the requirements of 5.2, 5.3, 5.4, 5.5, and 5.6. Furthermore, different types of indoor fixed fitness equipment also... It should conform to the corresponding standards listed in Table A.1 of Appendix A.

5.2 Structural and Mechanical Safety

5.2.1 Stability The equipment should be kept stable during normal use and should not be tipped over.

5.2.2 Sharp corner edges The sharp corners and edges of the equipment should not cause injury to the user, and all edges in areas easily accessible to the hands and feet should be rounded or protected.

5.2.3 Pipe ends Exposed pipe ends in areas easily accessible to hands and feet should be sealed.

5.2.4 Entry Point Prevent equipment from being entangled during use.

5.2.5 Cables, belts, chains and their accessories Cables, belts, chains and their accessories should be able to withstand a tensile force of 6 times the maximum load that can be generated during use.

5.2.6 User Escape Users should be able to properly disconnect the equipment when using it according to the instructions.

5.2.7 Extrusion and Shear Points Compression and shearing in easily accessible areas between moving parts, between moving parts and stationary parts, and between moving parts and the ground. The cutting point should be protected by a protective cover or the gap distance should not be less than 60mm, except in the following cases.

- a) There is only a risk of finger injury, and the gap distance should not be less than 25mm.
- b) If the distance between moving parts and stationary parts, and between adjacent moving parts, remains constant during use or adjustment, then the clearance distance should be... Less than 9.5mm, or greater than 25mm.
- c) For folded products, if the following three conditions are met simultaneously during folding and unfolding, they will not be considered as compression points or shear points. - Accidental movement is impossible during folding, unfolding, transportation, and storage; - The compression and shearing points are always within the user's line of sight; - Users can stop folding and unfolding at any time.

5.2.8 Adjustment components and locking mechanism The adjustment components and locking mechanisms on the equipment should be reliable, easy for users to identify and use safely, and should prevent unintended movement. Functionality. Adjustment components and locking mechanisms, such as knobs and handles (joysticks), should not interfere with the user's range of motion.

5.2.9 Anti-slip and anti-detachment During use, the handles and foot pedals should have anti-slip and anti-detachment measures.

5.2.10 Counterweights or other resistance devices All weights mounted on the equipment should have a range of motion limited to the range required for the exercise, and should be able to be [operated within] during use. Securely fixed. The counterweight and other resistance devices (such as elastic ropes, elastic tubes, springs, etc.) should be able to move freely and return to the starting position.

5.2.11 Load Equipment that supports the user's body weight, training load, or a combination of body weight and training load shall undergo safety compliance verification in accordance with Appendix A. Afterwards, it should not be damaged and should function normally according to the manufacturer's instructions.

5.4 Limits for Hazardous Substances

5.4.1 The limits for hazardous substances on readily accessible surfaces shall comply with the provisions of Table 1.

5.4.2 Hazardous substances in equipment involving electrical and electronic products shall comply with the requirements of GB 26572.

5.5 Durability

5.5.1 General Requirements After the test is conducted according to 6.4.1, the equipment should not be damaged or show obvious breakage or cracking, and should be able to perform its functions as stated in the product specifications. It runs normally.

5.5.2 Additional Special Requirements In addition to meeting the general requirements, the durability of different types of equipment should also meet the additional special requirements of the corresponding standards in Appendix A.

5.6 Labeling and Instruction Requirements

5.6.1 The labels and warning instructions on the equipment should be clear and located in a prominent position on the equipment.

5.6.2 The manufacturer shall provide at least the following warnings.

- a) Information on the correct use of the equipment and emphasis on safe operating methods, as well as the importance of keeping unsupervised children away from fitness equipment;
- b) A description (if applicable) of the maximum user weight and maximum training load that each training function of the equipment can support, and a warning against improper use. However, excessive exercise can cause harm to the body;
- c) If a heart rate display is available, the following warning should be displayed. "Warning. The heart rate monitoring system may be inaccurate. Stop immediately if you feel unwell." exercise";
- d) For Class S or Class I fitness equipment, if it needs to be fixed in place, there should be clear graphic symbols or instructions;
- e) Turning off the equipment's display screen does not mean that the equipment is powered off. Power should be disconnected when turning off the equipment (if applicable).

6 Test Methods

6.1 Structural and mechanical safety Tests were conducted according to the standards in Appendix A corresponding to the different indoor equipment.

6.2 Electrical Safety The test shall be conducted in accordance with the relevant clauses of GB 44246.

6.3 Limits for Hazardous Substances

6.3.1 Lead and cadmium content The determination of lead and cadmium content shall be carried out in accordance with GB/T 39560.301 and GB/T 39560.5.