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

GB 19272-2024

Replacing GB 19272-2011

**Safety for outdoor body-building equipment - General
requirements**

室外健身器材的安全 通用要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 19272-2011 "General safety requirements for outdoor fitness equipment". Compared with GB 19272-2011, except for the structure In addition to adjustments and editorial changes, the main technical changes are as follows:

- Added a chapter on "General Requirements" (see Chapter 4);
- Deleted the chapter "Naming" (see Chapter 4 of the 2011 edition);
- Added green environmental protection and recyclable material requirements (see 4.4);

- Changed the material performance requirements (see 5.1.2, 5.2 of the.2011 edition);
- Changed the requirements for fasteners in accessible areas of equipment (see 5.2.1.4, 5.3.1.4 of the.2011 edition);
- Changed the "General Principles" in "Protection against shearing, squeezing, clamping, hooking and entanglement" (see 5.2.2.1, 5.3.2.1 of the.2011 edition);
- Changed the opening type in "head and neck clamp" (see 5.2.2.2, 5.3.2.2.1 of the.2011 edition);
- Changed "finger clamp" (see 5.2.2.3, 5.3.2.6 of the.2011 edition);

1 Scope

GB 19272-2024 is the Chinese national standard on safety for outdoor body-building equipment - general requirements, 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 November 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 September 2025. Classification: ICS 97.220.40, CCS Y55. 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 specifies the general requirements for outdoor fitness equipment (hereinafter referred to as "equipment") and the materials, structural design, space design, functional components, etc. The requirements of components, structural integrity, environmental protection, site and installation, safety warnings and instructions for use, management and maintenance, and aging and child-friendly are described. The verification method should be used. This document applies to the research and development, design, manufacturing, installation, maintenance, inspection and certification of outdoor fitness equipment. This document does not apply to amusement rides.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date,

only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 230.1 Rockwell hardness test for metallic materials Part

4 Migration of certain elements

GB/T 9286-2021 Paint and varnish cross-cut test

GB/T 10125 Artificial atmosphere corrosion test Salt spray test

GB/T 15190 Technical specification for the division of acoustic environment functional areas

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

GB/T 22102-2008 Anticorrosive wood

GB/T 26125 Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers) in electronic and electrical products

GB/T 30228-2013 Safety performance requirements and test methods for impact attenuation of sports venue surfaces

GB 31187 General requirements for the electrical parts of sporting goods

GB/T 34289 Safety signs and labels for fitness equipment and fitness venues

GB/T 35273 Information security technology Personal information security specification

GB/T 50145-2007 Engineering classification standard for soil
SN/T 1877.2 Determination of polycyclic aromatic hydrocarbons in plastic raw materials and their products
SN/T 1877.4 Determination of polycyclic aromatic hydrocarbons in rubber and its products

ISO 4649.2024 Rubber, vulcanized or thermoplastic -- Determination of resistance to abrasion using a rotating drum apparatus (Rubber, vulcanized or thermoplastic-Determination of abrasion resistance using a rotating

7 Sports equipment

GB 6675.4 Safety of toys Part