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

GB 17498.1-2008

Replacing GB 17498.1-2008

**Indoor stationary training equipment - Part 1: General safety
requirements and test methods**
(English Translation)

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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 is Part 1 of GB/T 17498 "Indoor Fixed Fitness Equipment". GB/T 17498 has already published the following parts.

---Part 1.General safety requirements and test methods;

---Part 2.Additional Special Safety Requirements and Test Methods for Strength Training Equipment;

---Part 4.Additional Special Safety Requirements and Test Methods for Strength Training Benches;

---Part 5.Additional special safety requirements and test methods for stationary exercise bikes and upper limb crank exercise equipment;

---Part 6.Additional Special Safety Requirements and Test Methods for Treadmills;

---Part 7.Additional Special Safety Requirements and Test Methods for Rowing Machines;

---Part 8.Additional special safety requirements and test methods for steppers, stair climbers and climbing machines;

---Part 9.Additional Special Safety Requirements and Test Methods for Elliptical Trainers;

---Part 10.Additional special safety requirements and test methods for exercise bikes with fixed wheels or without flywheels.

This document supersedes GB 17498.1-2008 "Fixed Fitness Equipment - Part 1.General Safety Requirements and Test Methods", and is consistent with...

Compared with GB 17498.1-2008, apart from structural adjustments and editorial changes,

the main technical changes are as follows.

---The scope has been changed (see Chapter 1, Chapter 1 of the.2008 edition);

---Added some terms and their definitions (see 3.3, 3.8~3.17), and deleted some terms (see 3.4, 3.6, 3.8 of the.2008 edition).

3.9, 3.11~3.14);

---Stability requirements have been changed. a condition for maintaining a stable state of fitness equipment has been added (see 5.2, 5.1 in the.2008 version);

---Added general rules for external structures, durability requirements, display load deviation requirements, heart rate measurement systems, heart rate control modes, and load requirements.

See 5.3.1, 5.9~5.11, and 5.13 for details.

---The requirements for pipe ends have been changed. in addition to the original requirements, requirements after the durability load test and the pipe plug pull-out test have been added (see...).

5.3.3 (5.2.2 in the.2008 version);

---The requirements for shear and compression points have been changed (see 5.3.4, 5.2.3 in the.2008 version), and the requirements for counterweights or other resistance methods have been changed.

(See 5.3.5, 5.2.4 of the.2008 edition), the requirements for cables, straps, chains and accessories have been changed (see 5.6, 5.5 of the.2008 edition).

The general instruction of use requirements have been revised (see 5.16, Chapter 9 of the.2008 edition), and the specifications for Class S and Class I fitness equipment have been changed.

Requirements (see Chapter 10,.2008 edition, 5.17);

---Stability test conditions have been changed (see 6.2, 6.3 in the.2008 version);

---Added durability load test, display load deviation test, heart rate measurement system test, heart rate control mode test, and load test.

And maintenance, upkeep, assembly instructions, user manuals and marking tests (see 6.11~6.16).

This document adopts ISO 20957-1:2024 "Fixed fitness equipment - Part 1.General safety requirements and test methods".

The following minimal editorial changes have been made to this document.

---To harmonize with existing standards, the standard title has been changed to "Indoor Fixed Fitness Equipment - Part 1.General Safety Requirements and Tests" method".

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 by the China National Light Industry Council.

This document is under the jurisdiction of the National Technical Committee on Standardization of Stationery and Sports Equipment (SAC/TC514).

Introduction

GB/T 17498 "Indoor Fixed Fitness Equipment" is divided into 9 parts. Part 1 covers general requirements, while the other parts cover specific requirements for particular equipment.

Special requirements. For fitness equipment covered by special requirements, the safety requirements are a combination of general requirements and these special requirements. GB/T 17498 is proposed.

It consists of 9 parts.

---Part 1.General Safety Requirements and Test Methods. This section describes the general safety requirements and test methods for indoor stationary fitness equipment.

Verification method.

---Part 2.Additional Special Safety Requirements and Test Methods for Strength Training Equipment. The purpose is to describe strength training equipment.

Additional special safety requirements and testing methods for materials.

---Part 4.Additional Special Safety Requirements and Test Methods for Strength Training Benches. The purpose is to describe the specific safety requirements and test methods for strength training benches.

Additional special safety requirements and testing methods for the stool.

---Part 5.Additional special safety requirements and test methods for stationary exercise bikes and upper limb crank exercise equipment. The purpose is to...

This describes the special safety requirements and test methods for stationary exercise bikes and upper limb crank exercise equipment.

---Part 6.Additional Special Safety Requirements and Test Methods for Treadmills. The purpose is to describe the additional special safety requirements for treadmills.

Requirements and test methods.

---Part 7. Additional Special Safety Requirements and Test Methods for Rowing Machines. The purpose is to describe the additional special safety requirements for rowing machines.

Requirements and test methods.

---Part 8. Additional Special Safety Requirements and Test Methods for Steppers, Stair Climbers, and Mountain Climbers. The purpose is to describe the special safety requirements and test methods for steppers, stair climbers, and mountain climbers.

Additional special safety requirements and testing methods for ladder machines, stair climbers, and mountaineering machines.

---Part 9. Additional Special Safety Requirements and Test Methods for Elliptical Trainers. The purpose is to describe the additional safety requirements and test methods for elliptical trainers.

Special safety requirements and testing methods.

---Part 10. Additional Special Safety Requirements and Test Methods for Exercise Bikes with Fixed Wheels or Without Freewheels. The purpose is to describe...

Additional safety requirements and testing methods for exercise bikes with fixed wheels or without flywheels.

This document is Part 1 of GB/T 17498 and is used in conjunction with the other parts of GB/T 17498.

Indoor stationary fitness equipment

Part 1. General Safety Requirements and Test Methods

1 Scope

This document specifies the classification and general safety requirements for indoor fixed fitness equipment (hereinafter referred to as fitness equipment), and describes the corresponding tests.

Methods. Other parts of GB/T 17498 may modify the requirements in this document. This document also includes environmental factors.

This document applies to all indoor stationary fitness equipment, including equipment whose use is specifically regulated by the owner (the person legally responsible).

Locations with access and management authority, such as sports associations, educational institutions, hotels, stadiums, clubs, rehabilitation centers, and studios (Category S and Category I).

Training areas; also including household (Class H) and other types of equipment including electric equipment as specified in 3.1. GB/T 17498 Other Parts