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

GB 17498.10-2008

Replacing GB 17498.10-2008

**Indoor stationary training equipment - Part 10: Exercise
bicycles with a fixed wheel or without freewheel - Additional
specific safety requirements and test methods**

(English Translation)

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Table of Contents

Preface	
Introduction	
1.Scope	1
2 Normative References	1
3.Terms and Definitions	1
4.Classification	2
5.Safety Requirements	3

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 10 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 mountaineering 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 replaces GB 17498.10-2008 "Fixed Fitness Equipment - Part 10.Fitness

Equipment with Fixed Wheels or Without Flywheels".

"Special Safety Requirements and Test Methods for Vehicles". Compared with GB 17498.10-2008, apart from structural adjustments and editorial changes, the main...

The technological changes are as follows.

---The seat post load value has been changed (see 5.2.1, 5.2 in the.2008 version), and the maximum pedal load value has been changed (see 5.2.3).

(2008 version 5.6)

---The static stress load test for the crank pedal assembly has been modified (see 5.2.3, 5.6 in the.2008 version);

---The insertion depth requirement for the seat tube has been changed (see 5.3.2,.2008 version 5.3.2);

---The requirement for handlebar insertion depth has been changed (see 5.4.2, 5.4.1 in the.2008 version);

---The requirements for the locking system have been changed (see 5.7, 5.8 in the.2008 version);

---Added reliability requirements and descriptions for emergency braking actuators (see 5.8.2, 5.9 in the.2008 edition) and a description of visibility.

(See 5.8.3, 5.9 in the.2008 edition);

---Added requirements and descriptions for power display (see 5.11);

---The description of the additional notes has been revised (see Chapter 7 of the.2008 edition, 5.12);

---The description of the additional markers has been changed (see 5.13, Chapter 8 of the.2008 edition);

---The description of the general rules has been changed (see 6.1,.2008 version 6.1);

---A time requirement has been added to the surface temperature test (see 6.3,.2008 edition of 6.3);

---The description of stability testing has been changed (see 6.6,.2008 version 6.6);

---The emergency braking test has been modified (see 6.7,.2008 version 6.7);

---An experiment with a power display was added (see 6.9);

---Information requirements for test reports have been added (see Chapter 7).

This document is modified to adopt ISO 20957-10:2017 "Stationary fitness equipment - Part 10.Fitness equipment with or without fixed wheels".

Special safety requirements and test methods for vehicles.

The technical differences between this document and ISO 20957-10:2017, and the reasons therefor, are as follows.

---ISO 20957-1 has been replaced by the normatively referenced GB/T 17498.1, and ISO 12100 has been replaced by GB/T 15706, to conform to...

my country's technological conditions.

The following editorial changes have been made to this document.

---To harmonize with existing standards, the standard name has been changed to "Indoor stationary fitness equipment - Part 10. Equipment with stationary wheels or without flyers".

Special safety requirements and testing methods for wheeled exercise bikes.

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 aims to describe 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 specific safety requirements and test methods for steppers.

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 10 of GB/T 17498 and is used in conjunction with GB/T 17498.1.

Indoor stationary fitness equipment

Part 10. Exercise Bikes with Fixed Wheels or Without a Flywheel

Additional special safety requirements and test methods

1 Scope

This document specifies, in addition to the general safety requirements of GB/T 17498.1, the safety requirements for vehicles with or without fixed wheels and inertia greater than $0.6 \text{ kg} \cdot \text{m}^2$.

Special safety requirements for flywheel exercise bikes; this document shall be used in