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Stationary training equipment —

Part 2: Strength training equipment — Additional specific safety requirements and test methods

Appareils d'entraînement fixes —

Partie 2: Appareil d'entraînement de force — Exigences spécifiques de sécurité et méthodes d'essai supplémentaires

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 136, *Sports, playground and other recreational facilities and equipment,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 20957-2:2020), which has been technically revised.

The main changes are as follows:

— referenced standards have been updated with year of publication;

— NOTE 2 has been added to Clause 1;

— Clause 3 has been updated to add definition and corresponding figure for rack station;

— Clause 5 has been restructured;

— 6.1.5 “Finger entrapment test” has been added.

A list of all parts in the ISO 20957 series can be found on the ISO website.

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Stationary training equipment —

Part 2:
Strength training equipment — Additional specific safety requirements and test methods

1 Scope

This document specifies safety requirements for stationary strength training equipment, in addition to the general safety requirements of ISO 20957-1:2013.

This document is applicable to stationary strength training equipment with stacked weight resistance or alternative means of resistance, such as elastic cords, hydraulic, pneumatic, electrical, magnetic, springs and externally loaded weights (hereinafter referred to as stationary training equipment) with the classes H, S and I according to ISO 20957-1:2013.

NOTE Accuracy classes are not applicable to this type of stationary training equipment as accuracy classes do not affect the safety of this equipment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

ISO 20957-1:2013, *Stationary training equipment — Part 1: General safety requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 20957-1:2013 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
selectorized equipment
strength training equipment where the resistance means is a load that is an integral part of the device that can be varied by the user without adding or removing components to and from the equipment

Note 1 to entry: An example is shown in Figure 1.

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