This is a free page sample. Access the full version online.

AS 20957.1:2021

Australian STANDARD®

STANDARDS Australia

Stationary training equipment

Part 1: General safety requirements and test methods (ISO 20957-1:2013, MOD)

This is a free page sample. Access the full version online.

AS 20957.1:2021

This Australian Standard ® was prepared by CS-101, Sports and recreational facilities and equipment. It was approved on behalf of the Council of Standards Australia on 08 October 2021.

This Standard was published on 29 October 2021.

The following are represented on Committee CS-101:

Australian Chamber of Commerce and Industry
Australian Competition and Consumer Commission
Australian Industry Group
Consumers Federation of Australia
Engineers Australia
Institute of Public Works Engineering Australasia
Kidsafe Australia
Parks and Leisure Australia
Play Australia
Scouts Australia
Sports and Recreation Victoria
Sydney Children's Hospitals Network
University of Technology Sydney

This Standard was issued in draft form for comment as DR AS ISO 20957.1:2021.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:
www.standards.org.au

ISBN 978 1 76113 571 2

This is a free page sample. Access the full version online.

Stationary training equipment

Part 1: General safety requirements and test methods (ISO 20957-1:2013, MOD)

First published as AS 20957.1:2021.

COPYRIGHT

© ISO 2021 — All rights reserved
© Standards Australia Limited 2021

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

This is a free page sample. Access the full version online.

Preface

This Standard was prepared by the Standards Australia Committee CS-101, Sports and recreational facilities and equipment.

The objective of this document is to specify general safety requirements and test methods for stationary training equipment. This document also covers environmental aspects.

It also specifies a classification system.

The document is applicable to all stationary training equipement. This includes equipment for the use in training areas of organizations such as sport associations, educational establishments, hotels, sports halls, clubs, rehabilitation centres and studios where access and control is specifically regulated by the owner, equipment for domestic use and other types of equipment including motor driven equipment.

This Standard is an adoption with national modifications, and has been reproduced from, ISO 20957-1:2013, *Stationary training equipment — Part 1: General safety requirements and test methods*. The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

Appendix ZZ lists the variations to ISO 20957-1:2013 for the application of this Standard in Australia.

As this document has been reproduced from an International Standard, the following applies:

(a) In the source text "this part of ISO 20957" should read "this document".

(b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms "normative" and "informative" are used in Standards to define the application of the appendices or annexes to which they apply. A "normative" appendix or annex is an integral part of a Standard, whereas an "informative" appendix or annex is only for information and guidance.

© Standards Australia Limited 2021

This is a free page sample. Access the full version online.

Contents

Preface ii

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Classification 4
- 4.1 General 4
- 4.2 Accuracy classes 4
- 4.3 Usage classes 4

5 Safety requirements 5
- 5.1 General 5
- 5.2 Stability of equipment 5
- 5.3 External construction 5
  - 5.3.1 Edges and corners 5
  - 5.3.2 Tube ends 5
  - 5.3.3 Squeeze and shear points within the accessible hand and foot area 5
  - 5.3.4 Squeeze and shear points as well as rotating and reciprocating points in the accessible hand and foot area 6
  - 5.3.5 Weights and resistant means 6
- 5.4 Entrapment of the user 6
- 5.5 Adjustment components and locking mechanisms 6
- 5.6 Ropes, belts, chains and attachment components 6
  - 5.6.1 General 6
  - 5.6.2 Ropes and belts 7
  - 5.6.3 Rope and belt guides 7
- 5.7 Pull-in points 7
- 5.8 Hand grips 7
  - 5.8.1 Integral handgrips 7
  - 5.8.2 Applied handgrips 7
  - 5.8.3 Rotating handgrips 7
- 5.9 Endurance test 7
- 5.10 Isometric test requirements 8
- 5.11 Heart rate measurement system 8
- 5.12 Heart rate control mode 8
- 5.13 Electrical safety 8
- 5.14 Loading 8
  - 5.14.1 Intrinsic loading 8
  - 5.14.2 Extrinsic loading 8
- 5.15 Care and maintenance 9
- 5.16 Assembly instructions 9
- 5.17 General instructions for use 9
- 5.18 Marking 10

6 Test methods 11
- 6.1 Test conditions 11
- 6.2 Stability test 11
  - 6.2.1 Test in training position 11
  - 6.2.2 Test in folded/storage position 11
- 6.3 External construction 11
  - 6.3.1 Test of edges and corners 11
  - 6.3.2 Tube ends 11
  - 6.3.3 Testing of squeeze and shear points and rotating and reciprocating points 11

SAI GLOBAL

This is a free preview. Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation