
**Walking aids manipulated by both
arms — Requirements and test
methods —**

**Part 2:
Rollators**

*Aides à la marche manipulées avec les deux bras — Exigences et
méthodes d'essai —*

Partie 2: Déambulateurs



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS

© ISO 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references	1
3 Terms and definitions.....	1
4 Requirements	7
4.1 Manoeuvrability.....	7
4.2 Stability	7
4.3 Brakes	7
4.4 Handgrip.....	8
4.5 Leg section and tip	8
4.6 Resting seat.....	8
4.7 Mechanical durability.....	8
4.8 Adjusting devices	8
4.9 Folding mechanism	9
4.10 Adjustment of handles	9
4.11 Materials and finish.....	9
5 Test methods.....	9
5.1 General.....	9
5.2 Sampling and inspection.....	9
5.3 Forward-direction stability test	10
5.4 Backward-direction stability test.....	11
5.5 Sideway-direction stability test	11
5.6 Accessory equipment.....	12
5.7 Brake tests	13
5.8 Handgrip test	14
5.9 Rubber tip test.....	14
5.10 Resting seat test	14
5.11 Static loading test	14
5.12 Fatigue test.....	16
5.13 Final inspection.....	17
6 Information supplied by the manufacturer.....	17
6.1 General	17
6.2 Information marked on the product and / or accessories	17
6.3 Documentation	18
7 Test report.....	18
Annex A (informative) Recommendations	19
Bibliography	22

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 11199-2 was prepared by Technical Committee ISO/TC 173, *Assistive products for persons with disability*.

This second edition cancels and replaces the first edition (ISO 11199-2:1999), which has been technically revised.

ISO 11199 consists of the following parts, under the general title *Walking aids manipulated by both arms — Requirements and test methods*:

- *Part 1: Walking frames*
- *Part 2: Rollators*
- *Part 3: Walking tables*

Walking aids manipulated by both arms — Requirements and test methods —

Part 2: Rollators

1 Scope

This part of ISO 11199 specifies requirements and methods of testing the static stability braking capabilities, static strength and fatigue of rollators being used as walking aids with wheels, manipulated by the hands, without accessories, unless specified in the particular test procedure. This part of ISO 11199 also gives requirements relating to safety, ergonomics, performance, and information supplied by the manufacturer including marking and labelling.

The requirements and tests are based on every-day usage of rollators as walking aids, for a maximum user mass as specified by the manufacturer. This part of ISO 11199 includes rollators specified for a user mass of no less than 35 kg.

This part of ISO 11199 is not applicable to rollators with horizontal forearm supports, classified as walking tables, for which ISO 11199-3 is applicable.

NOTE Recommendations further to the requirements given in this part of ISO 11199 are given in an Annex A.

2 Normative references

The following referenced documents are indispensable for the application 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 9999:2002, *Technical aids for persons with disabilities — Classification and terminology*

EN 1041, *Information supplied by the manufacturer with medical devices*

3 Terms and definitions

For the purpose of this document, the following terms and definitions apply.

3.1

rollator

walking aids with built-in handgrips and three or more legs of which two or more are having wheels, which provide support whilst walking

See Figure 1.

NOTE Rollators include equipment with a seat for resting, as specified in ISO 9999:2002, Classification No. 12 06 06.