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

Part 1:
Walking frames

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

Partie 1: Cadres de marche



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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 3.

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.

International Standard ISO 11199-1 was prepared by Technical Committee ISO/TC 173, *Technical systems and aids for disabled or handicapped persons*.

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*

Annex A of this part of ISO 11199 is for information only.

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

Part 1:

Walking frames

1 Scope

This part of ISO 11199 specifies requirements and methods of testing fatigue, static load capacity and stability of walking frames without accessories, unless specified in the particular test procedure. This part of ISO 11199 also gives the requirements relating to safety, ergonomics, performance, marking and labelling.

The requirements and tests are based on everyday usage of walking frames manufactured for a user mass of not less than 35 kg.

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

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 11199. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 11199 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 9999:1998, *Technical aids for disabled persons — Classification*.

ISO 10933-1, *Biological evaluation of medical devices — Part 1: Evaluation and testing*.

3 Terms and definitions

For the purposes of this part of ISO 11199, the following terms and definitions apply (see also Figures 1, 2 and 3).

3.1

folded dimensions

height, width and length of the walking frame measured with the frame folded together without the use of tools, the height adjustment at its minimum height and the handles positioned as in 5.1.

3.2

frame height

vertical distance from the rear handgrip reference point to the ground

See Figure 3.