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**Walking aids manipulated by one arm —  
Requirements and test methods —**

**Part 4:**

**Walking sticks with three or more legs**

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

*Partie 4: Cannes de marche avec au moins trois jambes ou plus*



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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 11334-4 was prepared by Technical Committee ISO/TC 173, *Technical systems and aids for disabled or handicapped persons*.

ISO 11334 consists of the following parts, under the general title *Walking aids manipulated by one arm — Requirements and test methods*:

— *Part 1: Elbow crutches*

— *Part 4: Walking sticks with three or more legs*

Annex A of this part of ISO 11334 is for information only

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# Walking aids manipulated by one arm — Requirements and test methods —

## Part 4:

## Walking sticks with three or more legs

### 1 Scope

This part of ISO 11334 specifies requirements and methods of testing the stability, static load capacity and fatigue of walking sticks with three or more legs and fully equipped with handle and tips. It also gives the requirements relating to safety, ergonomics, performance, marking and labelling.

The requirements and tests are based on everyday usage of walking sticks with three or more legs, manufactured for a user weight (mass) of not less than 35 kg.

This part of ISO 11334 is not applicable to walking sticks with three or more legs with underarm or forearm support.

NOTE Recommendations further to the requirements 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 11334. 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 11334 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 10993-1, *Biological evaluation of medical devices — Part 1: Evaluation and testing*.

### 3 Terms and definitions

For the purposes of this part of ISO 11334, the following terms and definitions apply (see also Figures 1 to 7).

#### 3.1

##### **walking stick with three or more legs**

walking stick with three or more legs and a handle, but without an underarm or forearm support

NOTE 1 Classification No. 12 03 16 in accordance with ISO 9999:1998.

NOTE 2 Throughout this document the term walking stick refers to a walking stick with three or more legs.