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**Walking aids manipulated by both arms -
Requirements and test methods - Part 1:
Walking frames**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 11199-1:2000 sisaldab Euroopa standardi EN ISO 11199-1:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 11199-1:2000 consists of the English text of the European standard EN ISO 11199-1:1999.</p> <p>This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This part of ISO 11199 specifies requirements and methods of testing Walking Frames fully equipped with handgrips and tips. The methods state how to test fatigue, static load capacity and stability. The standard also gives the requirements relating to safety, ergonomics, performance, marking and labelling. Recommendations further to the requirements given in this standard are given in Annex A.</p>	<p>Scope: This part of ISO 11199 specifies requirements and methods of testing Walking Frames fully equipped with handgrips and tips. The methods state how to test fatigue, static load capacity and stability. The standard also gives the requirements relating to safety, ergonomics, performance, marking and labelling. Recommendations further to the requirements given in this standard are given in Annex A.</p>
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ICS 11.180

Võtmesõnad:

ICS 11.180

English version

Walking aids manipulated by both arms

Requirements and test methods

Part 1: Walking frames

(ISO 11199-1 : 1999)

Aides à la marche manipulées avec les deux bras – Exigences et méthodes d'essai – Partie 1: Cadres de marche (ISO 11199-1 : 1999)

Gehhilfen für beidarmige Handhabung – Anforderungen und Prüfverfahren – Teil 1: Gehböcke (ISO 11199-1 : 1999)

This European Standard was approved by CEN on 1999-07-21.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 11199-1 : 1999 Walking aids manipulated by both arms – Requirements and test methods – Part 1:
Walking frames,

which was prepared by ISO/TC 173 'Technical systems and aids for disabled or handicapped persons' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 293 'Technical aids for disabled persons', the Secretariat of which is held by SIS, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11199-1 : 1999 was approved by CEN as a European Standard without any modification.

NOTE: Normative references to international publications are listed in Annex ZA (normative).

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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.