
Prostheses and orthoses — Factors to be included when describing physical activity of a person who has had a lower limb amputation(s) or who has a deficiency of a lower limb segment(s) present at birth

Prothèses et orthèses — Points à inclure lors de descriptif d'activité physique d'une personne ayant subi une amputation d'un membre inférieur ou qui a une malformation congénitale d'un segment de membre inférieur



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.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2008

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

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 29781 was prepared by Technical Committee ISO/TC 168, *Prosthetics and orthotics*.

Introduction

The activity of a person with an absent or deficient lower limb segment may be described in many ways. The various members of clinic teams in different countries develop their own nomenclature to record this information. Hence there is a need for an international system to allow comparisons to be made. The system described is designed to meet the needs of a clinic team in assessing a person and evaluating their treatment.

This International Standard indicates the minimum information concerning a person's activity, which is to be included in any description.

Prostheses and orthoses — Factors to be included when describing physical activity of a person who has had a lower limb amputation(s) or who has a deficiency of a lower limb segment(s) present at birth

1 Scope

This International Standard describes the factors to be included when describing the physical activity of a person who has had a lower limb amputation(s) or who has a deficiency of a lower limb segment(s) present at birth.

2 Terms and definitions

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

2.1

assisted

with the help of another person

2.2

assistive device

product used to compensate for restricted activity (including walking aids and support devices such as hand rails, grab rails and arm rests)

2.3

independently

without the help of another person

2.4 Types of wheelchair

2.4.1

wheelchair

technical aid intended to provide wheeled mobility and body support for individuals with impaired ability to walk

2.4.2

manual wheelchair

wheelchair (2.4.1) that relies on an occupant or an assistant to provide power for its operation

[ISO 7176-26:2007, definition 4.1.2]

2.4.3

electrically powered wheelchair

wheelchair (2.4.1) in which the motor power is derived from an integral source of electric power

[ISO 7176-26:2007, definition 4.1.8]

3 Transfer and mobility

3.1 General

The description should include the activities of the person both with (see 3.2) and without (see 3.3) a prosthesis(es), if appropriate.

3.2 With a prosthesis(es)

- a) Don and doff.
- b) Transfer between bed and chair or wheelchair.
- c) Wheelchair use:
 - 1) **assisted** (2.1);
 - 2) **electrically powered** (2.4.3);
 - 3) **manual** (2.4.2).
- d) Rise from sitting to standing.
- e) Stand.
- f) Rise from floor to standing.
- g) Ambulate:
 - 1) swing to/swing through;
 - 2) hop or other method.
- h) Specify the method.
- i) Walk.

Specify distance walked in a specified time.

State all the activities achieved, if **assisted** (2.1) or **independently** (2.3) and if used, type(s) of **assistive device** (2.2).

3.3 Without a prosthesis(es)

- a) Confined to bed.
- b) Transfer between bed and chair or wheelchair.
- c) Wheelchair use:
 - 1) **electrically powered** (2.4.3);
 - 2) **manual** (2.4.2).
- d) Rise from sitting to standing.
- e) Stand.

- f) Rise from floor to standing.
- g) Ambulate:
 - 1) swing to/swing through;
 - 2) hop or other method.
- h) Specify method.
- i) Walk.

State all the activities achieved, and if **assisted** (2.1) or **independently** (2.3).

Specify any **assistive devices** (2.2) used.

3.4 Surfaces and obstacles

3.4.1 General

State all the surfaces and obstacles which can be negotiated indoors (see 3.4.2) and outdoors (see 3.4.3) with and without a prosthesis.

Specify any assistive devices used.

3.4.2 Indoors

- a) Horizontal, even surfaces.
- b) Thresholds, steps, stairs and ramps.

3.4.3 Outdoors

- a) Horizontal, even surfaces.
- b) Horizontal, uneven surfaces.
- c) Steps and stairs.
- d) Slopes.
- e) Any terrain.

4 Activities of daily life

- a) Toilet and bathe.
- b) Dress/undress.
- c) Drive motor vehicle.
- d) Perform housework.
- e) Cook.
- f) Occupational activities (specify).

- g) Recreational/sporting activities (specify).
- h) Cultural and social tasks:
 - 1) kneel;
 - 2) squat;
 - 3) sit cross-legged.

State all the activities regularly achieved, if assisted or independently, with and without a prosthesis.

Specify any assistive devices used.

5 Prosthetic wearing and usage time

State the number of days per week and hours per day the prosthesis(es) is (are) worn.

State the number of days per week and hours per day the prosthesis(es) is (are) used to stand, ambulate, walk and perform the specified activities of daily life.

Bibliography

- [1] ISO 7176-26:2007, *Wheelchairs — Part 26: Vocabulary*

