BS ISO 13405-2:2015

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Prosthetics and orthotics — Classification and description of prosthetic components

Part 2: Description of lower limb prosthetic components

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National foreword

This British Standard is the UK implementation of ISO 13405-2:2015. It supersedes BS ISO 13405-2:1996 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/168, Prosthetics and orthotics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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INTERNATIONAL STANDARD

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2015-01-15

Prosthetics and orthotics — Classification and description of prosthetic components —

Part 2: Description of lower limb prosthetic components

Prothèses et orthèses — Classification et description des composants de prothèses —

Partie 2: Description des composants de prothèses des membres inférieurs

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 168, *Prostheses and orthotics.*

This second edition cancels and replaces the first edition (ISO 13405-2:1996), which has been technically revised.

The major technical changes are the following:

a) classification tree for lower limb prosthetic components added in Clause 5;

b) levels of amputation extended to include all partial foot levels;

c) methods of socket suspension extended;

d) classification tree for functional components added in Clause 6;

e) range of types of ankle foot units, knee units, hip units, and external (side) joints extended;

f) load attenuators and turntables added to Clause 6.

ISO 13405 consists of the following parts, under the general title *Prosthetics and orthotics — Classification and description of prosthetic components*:

— *Part 1: Classification of prosthetic components*

— *Part 2: Description of lower limb prosthetic components*

— *Part 3: Description of upper limb prosthetic components*

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Introduction

This part of ISO 13405 was the first internationally accepted standard method to describe the components of lower limb prostheses. It is designed to permit users to describe systematically each component which is incorporated in a finished prosthesis in a manner which clearly explains its principal characteristics. It is envisaged as being suitable for use by both manufacturers producing literature describing their products and practitioners who are reporting on the components used in the treatment of persons requiring prosthesis.

Prosthetic technology has made considerable advances since the publication of this part of ISO 13405. This first revision is designed to include the new types of components which have come into use during this period.

Manufacturers' trade names and details of the materials and manufacturing methods employed have been avoided.

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