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**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 17255.2-2009**

Replacing GB/T 17255.2-1998

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**Prosthetics and orthotics -- Classification and description of  
prosthetic components -- Part 2: Description of lower-limb  
prosthetic components**

假肢与矫形器 假肢部件的分类和描述 第2部分：下肢假肢部件的描述

**(English Translation)**

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## Foreword

GB/T 17255 "prosthesis and orthopedic prosthetic components of the classification and description" is divided into three parts.

- Part 1. Classification of prosthetic components;
- Part 2. description of lower limb prosthetic components;

Part 3. Description of upper limb prosthetic components.

This part is part 2 of GB/T 17255.

This part is equivalent to ISO 13405-2:1996 "Classification and description of prosthetic limbs and prostheses Part 2. Lower limb prostheses Component Description "(English version).

For ease of use, this section makes the following editorial changes.

- a) the introduction of the preamble of international standards;
- b) "this International Standard" is replaced by "this part".

This part of the replacement GB/T 17255.2-1998 "prosthetic and orthopedic prosthetic components of the classification and description of the second part. lower limb prosthesis Part description ". This part compared with GB/T 17255.2-1998, the main changes are as follows.

- a) quoted in the normative reference document GB/T 14191.1 "Terminology of prosthetics

and orthopedics Part 1. In vitro prostheses and the basic terminology of in vitro orthoses  
"(GB/T 14191.1-2009, ISO 8549-1. 1989, IDT);

b) changes to terms and definitions that are not sufficiently accurate for partial expressions,  
such as "support period" to "support phase", "swing period" to "pendulum" Moving ", "  
instantaneous rotation of the shaft "to" instantaneous rotation center "and so on.

This part is made by the Ministry of Civil Affairs of the People's Republic of China.

This section is headed by the National Standardization Technical Committee for the  
Rehabilitation and Special Equipment for Persons with Disabilities (SAC/TC148).

This part of the drafting unit. China Rehabilitation Equipment Association, Beijing artificial  
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This part of the main drafters. Yang Chengrui, Wu Guoshi, Fang Xin.

This part of the previous version of the standard to replace the release of the situation.

--- GB/T 17255.2-1998.

GB/T 17255.2-2009/ISO 13405-2:1996

## Introduction

There is currently no method of classifying and describing prosthetic components that can  
be used internationally. It is conceivable that this situation it is difficult for the manufacturer  
to use the text to describe the product and the operator who wrote the medical record when  
receiving the specific patient.

The purpose of this part of the standard is to ensure that users according to the  
classification and description system can clearly explain the basic components of the  
finished prosthesis Features.

The manufacturer's name, material and the production process used are not included here.

GB/T 17255.2-2009/ISO 13405-2:1996 Classification and description of prosthetic limbs  
and prostheses Part 2. description of lower limb prosthetic components

## 1 Scope

This part of GB/T 17255 specifies a method for describing prosthetic components of lower  
limbs.

## 2 Normative reference documents

The terms of the following documents are the terms of this part by reference to this part of  
GB/T 17255. Any reference to the date of the text , All subsequent amendments (excluding

corrigenda) or revisions do not apply to this part, however, encouragement under this section the parties to the agreement study whether the latest version of these documents can be used. For undated references, the latest edition of this document applies section.

GB/T 14191.1 Terminology for prosthetics and orthopedics - Part 1. Basic terms for prostheses and orthotics in vitro (GB/T 14191.1-2009, ISO 8549-1. 1989, IDT) GB/T 17255.1 Classification and description of prosthetic limbs for prostheses and orthoses - Part 1. Classification of prosthetic components (GB/T 17255.1-2009, ISO 13405-1.:1996, IDT) ISO 8549-2. 1989 Terminology for prosthetics and orthopedics - Part 2. Relevant to prosthetic prostheses and prostheses the term

### 3 Terms and definitions

The terms and definitions established in GB/T 14191.1, ISO 8549-2. 1989 apply to this part of GB/T 17255.

### 4 Classification

Lower limb prosthetic components include five types according to the definition in GB/T 17255.1.

#### 5.1.1 Overview

The receiving chamber is described by the following information.

#### 5.1.2 Amputation site

According to the series specified in ISO 8549-2, the amputation sites associated with the production of prosthetic receptors are expressed as follows.

- a) partial amputation;
- b) ankle off;
- c) leg amputation (knee amputation);
- d) knee off;
- e) thigh amputation (knee amputation);
- f) hip break;
- g) pelvic excision.

#### 5.1.3 Force transfer performance

**Note:** The force transfer performance is directly related to the shape of the receiving cavity, which is necessary to support, stabilize and suspend the receiving cavity.

GB/T 17255.2-2009/ISO 13405-2.:1996