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

GB/T 43350-2023

**Prosthetics - Quantification of physical parameters of ankle foot
devices and foot units**

假肢 踝足装置和足部组件物理参数的量化

(English Translation)

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Foreword

This document complies with the regulations of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Custom drafting.

This document is equivalent to ISO /T S16955.2016 "Quantification of physical parameters of prosthetic ankle and foot devices and foot components". The file type is. ISO technical specifications are adjusted to my country's national standards.

1 Scope

This document describes a quantitative method for measuring or evaluating key performance indicators of prosthetic ankle and foot devices.

Setup and test settings are specified for each method and include various parameters derived or calculated from the recorded data.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 30659-2014 Prosthetics and orthotics requirements and test methods (ISO 22523:2006, IDT)

ISO 10328 Structural testing requirements and testing methods for prosthetic lower limb prostheses (Prosthetics-Structural testing of ISO 22675:2016 Prosthetic ankle and foot devices and foot components Requirements and test methods (Prosthetics-Testing of an-Note: GB/T 31181-2014 Prosthetic ankle and foot devices and foot components requirements and test methods (ISO 22675:2006, IDT)

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Physical parameters used to describe

the response of the ankle-foot device after heel strike, mid-stance, and before toe-off under the load-bearing state of the ankle-foot device.

3.2 Rol-over characteristics

Used to describe the physical parameters of the patient's ankle-foot device in the sagittal plane during stance.

3.3 Full contact motion

A physical parameter used to describe the angular range of motion of the tibia when the heel and toe strike the ground simultaneously.

3.4 Used to describe

the physical parameters of the ankle-foot device in the horizontal plane load-bearing and torsion state.