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Prosthetics — Geometrical aspects of lower limb prosthetic adapters

rothe. membres Prothèses — Aspects géométriques des adaptateurs de prothèses de





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Foreword

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

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Prosthetics — Geometrical aspects of lower limb prosthetic adapters

1 Scope

This document specifies dimensions of the adult modular systems adapters used in lower limb prosthetic.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 10328, Prosthetics — Structural testing of lower-limb prostheses — Requirements and test methods

ISO 22523, External limb prostheses and external orthoses — Requirements and test methods

ISO 22675, Prosthetics — Testing of ankle-foot devices and foot units — Requirements and test methods

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at https://www.electropedia.org/

3.1

modular connector

adapter used in lower limb prosthetic assembly

3.2

convex connector

connecting part of the modular adapter with an inverted pyramid

3.3

concave connector

receiving part of the modular adapter with a pyramid receiver

4 Geometrical aspects of mating connectors (adapters)

4.1 General

Concave: Pyramid receiver

Convex: Pyramid connector

If a modular connector is used as an adjustable connector between prosthetic components, weaknesses of the connection can occur if the contact area of the convex and concave surfaces does not establish the largest possible diameter.