भारतीय मानक Indian Standard

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प्रोस्थेटिक्स और ऑर्थोटिक्स — शब्दावली भाग 3 ऑर्थोसेस से संबंधित शब्द

(पहला पुनरीक्षण)

Prosthetics and Orthotics — Vocabulary

Part 3 Terms Relating to Orthoses

(First Revision)

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Artificial Limbs, Rehabilitation Appliances and Assistive Products for Persons with Disabilities Sectional Committee, MHD 09

NATIONAL FOREWORD

This Indian Standard (Part 3) (First Revision) which is identical with ISO 8549-3: 2020 'Prosthetics and orthotics — Vocabulary — Part 3: Terms relating to orthoses' issued by the International Organization for Standardization (ISO) was adopted by Bureau of Indian Standards on the recommendation of the Artificial Limbs, Rehabilitation Appliances and Assistive Products for Persons with Disabilities Sectional Committee and after approval of the Medical Equipment and Hospital Planning Division Council.

This standard was first published in 1994 based on ISO 8549-3 : 1989. This revision has been undertaken to align it with ISO 8549-3 : 2020.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'; and
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

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Introduction

Prior to the publication of the first edition of this document in 1989, no internationally accepted terminology to describe the classes of orthoses existed. Consequently, the members of the clinic teams in different countries and working in different facilities had developed their own terminology to meet their own needs.

The terms and definitions provided in this document reflect the changes in the field of orthotics since the publication of the first edition of this document.

They will allow practitioners to describe, in a standardized manner, the devices they supply and the personnel involved in the supply process.

This document will also be of value to epidemiologists and national health officials.

Users of this document are also advised of the WHO International Classification of Impairments, Disabilities and Handicaps^[3].

Indian Standard

PROSTHETICS AND ORTHOTICS — VOCABULARY

PART 3 TERMS RELATING TO ORTHOSES

(First Revision)

1 Scope

This document defines terms relating to orthoses.

This document does not include terms for orthoses that only encompass limb segments, as these orthoses are limited mainly to use in the treatment of fractures and in sports medicine.

NOTE 1 The types of components used in the construction of orthoses are classified and described in ISO 13404.

NOTE 2 For the purposes of this document the abbreviated term 'orthotics' and its derivatives only apply to external orthotics.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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

NOTE 1 An alphabetical index of terms is provided in <u>Clause A.2</u>.

NOTE 2 The abbreviations of the following classes of orthoses are made up of the first letters (in upper case) of the names of the body segments and joints encompassed by the orthosis.

3.1 General

3.1.1

orthosis

orthotic device

externally applied device used to compensate for impairments of the structure and function of the neuro-muscular and skeletal systems

[SOURCE: ISO 8549-1:2020, 3.1.2]

3.2 Classes of lower limb orthoses

3.2.1

toe orthosis

TO

orthosis (3.1.1) that encompasses the toe

3.2.2

foot orthosis

FO

orthosis (3.1.1) that encompasses the whole or part of the foot

3.2.3

ankle-foot orthosis

AFO

orthosis (3.1.1) that encompasses the ankle joint and the whole or part of the foot

3.2.4

knee orthosis

KO

orthosis (3.1.1) that encompasses the knee joint

3 2 5

knee-ankle-foot orthosis

KAFO

orthosis (3.1.1) that encompasses the knee and ankle joints and the foot

3.2.6

hip orthosis

HO

orthosis (3.1.1) that encompasses the hip joint

3.2.7

hip-knee orthosis

HKO

orthosis (3.1.1) that encompasses the hip and knee joints

3.2.8

hip-knee-ankle-foot orthosis

HKAFO

orthosis (3.1.1) that encompasses the hip, the knee and the ankle joints and the foot

3.3 Classes of upper limb orthoses

3.3.1

finger orthosis

FO

orthosis (3.1.1) that encompasses the whole or part of a finger

3.3.2

thumb orthosis

TO

orthosis (3.1.1) that encompasses the whole or part of the thumb

3.3.3

hand orthosis

HO

orthosis (3.1.1) that encompasses the whole or part of the hand

3.3.4

wrist-hand orthosis

WHO

orthosis (3.1.1) that encompasses the wrist joint and hand

3.3.5

elbow orthosis

EO

orthosis (3.1.1) that encompasses the elbow joint

3.3.6

elbow-wrist-hand orthosis

EWHO

orthosis (3.1.1) that encompasses the elbow and the wrist joints and the hand

3.3.7

shoulder orthosis

SO

orthosis (3.1.1) that encompasses the shoulder joint

3 3 8

shoulder-elbow orthosis

SEO

orthosis (3.1.1) that encompasses the shoulder and the elbow joints

3.3.9

shoulder-elbow-wrist-hand orthosis

SEWHO

orthosis (3.1.1) that encompasses the shoulder, the elbow and the wrist joints and the hand

3.4 Classes of spinal orthoses

3.4.1

cervical orthosis

CO

orthosis (3.1.1) that encompasses the whole or a part of the cervical region, including the atlantooccipital joint

3.4.2

cervico-thoracic orthosis

CTO

orthosis (3.1.1) that encompasses the whole or a part of the cervical and the thoracic regions, including the atlantooccipital joint

3.4.3

cervico-thoraco-lumbo-sacral orthosis

CTLSO

orthosis (3.1.1) that encompasses the whole or a part of the cervical, the thoracic, the lumbar and the sacroiliac regions, including the atlantooccipital joint

3.4.4

thoracic orthosis

TO

orthosis (3.1.1) that encompasses the whole or a part of the thoracis region of the trunk

3.4.5

thoraco-lumbo-sacral orthosis

TLSO

orthosis (3.1.1) that encompasses the whole or a part of the thoracic, the lumbar and the sacroiliac regions of the trunk

3.4.6

lumbo-sacral orthosis

LSO

orthosis (3.1.1) that encompasses the whole or a part of the lumbar and sacroiliac regions of the trunk

3.4.7

sacro-iliac orthosis

SIO

orthosis (3.1.1) that encompasses the whole or a part of the sacroiliac region of the trunk

3.5 Classes of head orthoses

3.5.1

facial orthosis

FΩ

orthosis (3.1.1) that encompasses the whole or part of the face

3.5.2

cranial orthosis

co

orthosis (3.1.1) that encompasses the whole or part of the cranium

Annex A

(informative)

Index of terms and alphabetical list of abbreviations

A.1 alphabetical list of abbreviations

A.1.1 General

Where the same combination of letters arises in the name of the class of orthoses, the description of the orthosis should refer to the specific anatomical region, e.g. lower limb, upper limb, spinal, cranial/facial.

A.1.2 Classes of lower limb orthoses

AFO ankle-foot orthosis

FO foot orthosis

HO hip orthosis

HKAFO hip-knee-ankle-foot orthosis

HKO hip-knee orthosis

KAFO knee-ankle-foot orthosis

KO knee orthosis

TO toe orthosis

A.1.3 Classes of upper limb orthosis

EO elbow orthosis

EWHO elbow-wrist- hand orthosis

FO finger orthosis

HO hand orthosis

SO shoulder orthosis

SEO shoulder-elbow orthosis

SEWHO shoulder-elbow-wrist-hand orthosis

TO thumb orthosis

WHO wrist-hand orthosis

A.1.4 Classes of spinal orthosis

CO cervical orthosis

CTO cervico-thoracic orthosis

CTLS cervico-thoraco-lumbo-sacral orthosis

LSO lumbo-sacral orthosis

SIO sacro-iliac orthosis

TO thoracic orthosis

TLSO thoraco-lumbo-sacral orthosis

A.1.5 Classes of head orthosis

CO cranial orthosis

FO facial orthosis

A.2 Index of terms

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thumb orthosis	3.3.2

Term	Term number
toe orthosis	3.2.1
wrist-hand orthosis	3.3.4

Bibliography

- [1] ISO 8549-1:2020, Prosthetics and orthotics Vocabulary Part 1: General terms for external limb prostheses and external orthoses
- [2] ISO 13404, Prosthetics and orthotics Categorization and description of external orthoses and orthotic components
- [3] The International Classification of Impairments, Disabilities and Handicaps of the World Health Organization

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