

BS EN ISO 9999:2011



BSI Standards Publication

Assistive products for persons with disability — Classification and terminology (ISO 9999:2011)

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National foreword

This British Standard is the UK implementation of EN ISO 9999:2011. It supersedes BS EN ISO 9999:2007 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/173/-/2, Classification and Terminology of Assistive Products.

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

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ISBN 978 0 580 68276 6

ICS 11.180.01

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 August 2011.

Amendments issued since publication

Date	Text affected
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English Version

Assistive products for persons with disability - Classification and terminology (ISO 9999:2011)

Produits d'assistance pour personnes en situation de handicap - Classification et terminologie (ISO 9999:2011)

Hilfsmittel für Menschen mit Behinderungen - Klassifikation und Terminologie (ISO 9999:2011)

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Foreword

This document (EN ISO 9999:2011) has been prepared by Technical Committee ISO/TC 173 "Assistive products for persons with disability" in collaboration with Technical Committee CEN/TC 293 "Assistive products for persons with disability" the secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 2012, and conflicting national standards shall be withdrawn at the latest by January 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 9999:2007.

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Endorsement notice

The text of ISO 9999:2011 has been approved by CEN as a EN ISO 9999:2011 without any modification.

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Terms and definitions	1
3 Principle.....	3
4 Elements and rules used in classification	3
4.1 Construction	3
4.2 Codes	4
4.3 Titles of classes, subclasses and divisions	4
4.4 Rules used in classification	4
5 Index	5
6 Classification	5
6.1 One-level classification — Classes	5
6.2 Two-level classification — Classes and subclasses	5
6.3 Three-level, detailed classification with explanations, inclusions, exclusions and references	9
Annex A (informative) Conversion table between ISO 9999:2007 (4th edition) and ISO 9999:2011 (5th edition)	69
Annex B (informative) Membership of ISO 9999 in the WHO Family of International Classifications	88
Bibliography.....	89
Alphabetical index.....	90

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 9999 was prepared by Technical Committee ISO/TC 173, *Assistive products for persons with disability*, Subcommittee SC 2, *Classification and terminology*.

This fifth edition cancels and replaces the fourth edition (ISO 9999:2007), which has been technically revised. It includes ISO 9999:2007/Corr.1:2007.

Introduction

Assistive products (including software) are classified according to their function. The classification consists of three hierarchical levels and the codes each consist of three pairs of digits. Like other classifications, for each level, codes, titles, explanatory notes, inclusions, exclusions and cross-references are given. Besides the explanatory text and the classification itself, a table of conversion between the previous (2007) edition and this edition of this International Standard and an alphabetical index are provided in order to facilitate the use of and to improve the accessibility of the classification.

This edition has about 980 titles of which about 90 are new and about 500 are changed, including minor editorial and grammatical revisions. The major change in this edition is the addition of class 28, "Assistive Products for Employment and Vocational Training." The new class includes assistive products that are mainly used during work and vocational training. Class 28 includes several new categories in addition to categories that were formerly in classes 05, 24 and 27.

All assistive products in this classification are primarily intended for use outside of health care settings; however, some of the products can be used in facilities such as rehabilitation centres to teach clients how to use these products. It should be noted that the titles of some subclasses and divisions in class 28 refer to the "workplace." This term does not refer to a specific setting or geographical location; instead, it refers to any setting in which employment-related activities or vocational training are performed.

The definition of "assistive product" used by this International Standard has been revised to align it with the terminology of the International Classification of Functioning, Disability and Health (ICF).

Relation to the WHO Family of International Classifications

In 2003, ISO 9999 was accepted as a related member of the WHO Family of International Classifications (WHO-FIC). The WHO-FIC is comprised of high-quality classifications for relevant sectors of the health system. With this inclusion, the use of this International Standard was stimulated.

This International Standard makes use of the terminology of the International Classification of Functioning, Disability and Health (ICF, WHO, 2001). ICF is a classification of health and health-related domains. These domains are classified from body, individual and societal perspectives by means of two lists: a list of body functions and structure and a list of domains of activity and participation. Since an individual's functioning and disability occurs in a context, ICF also includes a list of environmental factors. The ICF is one of the core classifications of the WHO-FIC.

As of the date of publication of this edition of this International Standard, a separate document was under development in order to show the relationship between this International Standard and ICF at the level of codes. This document can be obtained on request from the secretariat of ISO/TC 173/SC 2.

Proposal for changes

Proposals for changes or additions to this International Standard, both in respect of existing and proposed new classes/subclasses/divisions, which take into account the given rules for classification, may be submitted to a national member body of ISO with an accompanying explanation for the proposal. See <http://www.iso.org> for addresses of national member bodies.

NOTE 1 Some of the assistive products for persons with disability can be classified as medical devices.

NOTE 2 National member bodies are encouraged to improve the accessibility of the classification by the addition of national language synonyms to the nationally implemented standard.

Assistive products for persons with disability — Classification and terminology

1 Scope

This International Standard establishes a classification of assistive products, especially produced or generally available, for persons with disability.

Assistive products used by a person with disability, but which require the assistance of another person for their operation, are included in the classification.

The following items are specifically excluded from this International Standard:

- items used for the installation of assistive products;
- solutions obtained by combinations of assistive products that are individually classified in this International Standard;
- medicines;
- assistive products and instruments used exclusively by healthcare professionals;
- non-technical solutions, such as personal assistance, guide dogs or lip-reading;
- implanted devices;
- financial support.

2 Terms and definitions

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

2.1

activity

execution of a task or action by an individual

[ICF 2001, WHO]

2.2

activity limitations

difficulties an individual can have in executing activities

[ICF 2001, WHO]

2.3

assistive product

any product (including devices, equipment, instruments and software), especially produced or generally available, used by or for persons with disability

- for participation;
- to protect, support, train, measure or substitute for body functions/structures and activities; or
- to prevent impairments, activity limitations or participation restrictions

2.4

body functions

physiological functions of body systems (including psychological functions)

[ICF 2001, WHO]

2.5

body structures

anatomical parts of the body such as organs, limbs and their components

[ICF 2001, WHO]

2.6

classification

system of concepts or a structured set of concepts established according to the relations between them, each concept being determined by a systematic code and its positions in the system of concepts

2.7

class

collection of similar articles, divided according to definite and chosen rules

2.8

disability

umbrella term for impairments, activity limitations and participation restrictions denoting the negative aspects of the interaction between an individual (with a health condition) and that individual's contextual factors (environmental and personal factors)

[ICF 2001, WHO]

2.9

environmental factors

physical, social and attitudinal environment in which people live and conduct their lives

[ICF 2001, WHO]

2.10

functioning

umbrella term for body functions, body structures, activities and participation denoting the positive aspects of the interaction between an individual (with a health condition) and that individual's contextual factors (environmental and personal factors)

[ICF 2001, WHO]

2.11

impairments

problems in body function or structure, such as a significant deviation or loss

[ICF 2001, WHO]

2.12

person with disability

person with one or more impairments, one or more activity limitations, one or more participation restrictions or a combination thereof

2.13

participation

involvement in a life situation

[ICF 2001, WHO]

2.14

participation restrictions

problems an individual can experience in involvement in life situations

[ICF 2001, WHO]

2.15

workplace

defined area or areas in which the work activities are carried out

[EN 1540:1998]

3 Principle

The classification is based on the function of the products being classified.

In particular, it should be noted that assistive products, which are used exclusively for training in skills, are included in class 05. Assistive products that have a principle function other than training, but which can also be used for training, are included in the class covering their principal function.

Software is classified at the division level of the class relating to its function.

4 Elements and rules used in classification

4.1 Construction

The classification consists of three hierarchical levels: classes, subclasses and divisions.

Each class, subclass or division consists of a code, a title and, if necessary, an explanatory note and reference to other parts of the classification.

Explanatory notes are used to clarify the content of the class, subclass or division. Inclusions and exclusions are used to provide examples.

References are used for two purposes:

- to separate classes, subclasses or divisions from one another;
- for information, e.g. references between related products.

In general, references are made to the lowest possible level.

4.2 Codes

4.2.1 The code consists of three pairs of digits.

The first pair of digits indicates a class, the second pair of digits a subclass and the third pair of digits a division.

For practical reasons, in this International Standard, the classes are indicated by one pair of digits only (deleting two pairs of zeros) and subclasses are indicated by two pairs of digits (deleting one pair of zeros).

The code determines the position of the class, the subclass, or the division, respectively, in the classification.

4.2.2 The digits for the codes were originally chosen with intervals of three. In subsequent revisions, the intervening digits have been used to introduce new classes, subclasses and divisions without significantly modifying the classification.

In this revision, codes that were originally used to classify items that have been removed from the classification are not used to classify new items that have been added to the classification.

4.2.3 Classes 00, 01, 02 and 90 to 99 and the associated subclasses and divisions are reserved for national applications.

The position “89” is reserved for assistive products which are categorized “other” for the national level only.

In addition, further levels may be added to any part of the classification to serve national or local purposes.

4.2.4 A conversion table detailing the coding changes from the previous revision of the classification to this revision is given for information in Annex A.

4.3 Titles of classes, subclasses and divisions

4.3.1 As far as possible, the terminology in general use has been adopted.

4.3.2 All titles in the classification are in the plural form.

4.3.3 Titles at class level generally describe a broad area of function of the product, e.g. assistive products for housekeeping, assistive products for mobility and assistive products for employment. In classes, titles describing a specific product are used only when the title is broadly applied or when the function of the product is incorporated in the name, e.g. “Orthoses and prostheses”.

4.3.4 Titles at subclass level describe a special function, e.g. “Assistive products for reading”, within the broad area covered by the class, e.g. “Assistive products for communication and information”.

4.3.5 Titles at division level refer to particular products e.g. “Book supports and book holders”, covered by the subclass, e.g. “Assistive products for reading”.

4.3.6 Only in cases where an assistive product is intended for use by persons with a specific disability, age or sex is the title used refer to that group.

4.4 Rules used in classification

4.4.1 A class is equal to the sum of its subclasses and a subclass is equal to the sum of its divisions.

4.4.2 In general, parts of assistive products, accessories to assistive products, individually adapted assistive products and individual adaptations in homes and other premises are classified in the same subclass or division of the assistive product with which they are associated.

4.4.3 Parts, accessories and adaptations are separately classified when they are associated with a group of assistive products. In these cases, they are classified as close as possible to the group of assistive products with which they are associated, e.g. 12 07 Accessories for assistive products for walking.

4.4.4 The classification is organized in such a manner that all assistive products can be classified without being tested or measured.

4.4.5 Classification of hypothetical assistive products is avoided.

4.4.6 Classes are created in such a manner that they do not overlap in the described broad function of other classes. The subclasses are created in such a manner that they do not overlap in the specific function of other subclasses. The divisions are created in such a manner that they do not overlap with products in other divisions.

5 Index

An alphabetical index of terms is provided for information to facilitate access to the classification.

Terms used in inclusion statements are incorporated in the index.

6 Classification

6.1 One-level classification — Classes

- 04 Assistive products for personal medical treatment
- 05 Assistive products for training in skills
- 06 Orthoses and prostheses
- 09 Assistive products for personal care and protection
- 12 Assistive products for personal mobility
- 15 Assistive products for housekeeping
- 18 Furnishings and adaptations to homes and other premises
- 22 Assistive products for communication and information
- 24 Assistive products for handling objects and devices
- 27 Assistive products for environmental improvement and assessment
- 28 Assistive products for employment and vocational training
- 30 Assistive products for recreation

6.2 Two-level classification — Classes and subclasses

- 04 Assistive products for personal medical treatment**
 - 04 03 Assistive products for respiration
 - 04 06 Assistive products for circulation therapy
 - 04 07 Assistive products for scar formation prevention
 - 04 08 Compression garments for body control and conceptualization
 - 04 09 Assistive products for light therapy
 - 04 15 Assistive products for dialysis therapy
 - 04 19 Assistive products for administering medicines
 - 04 22 Sterilizing equipment

04 24	Physical, physiological and biochemical test equipment and materials
04 25	Cognitive test and evaluation materials
04 26	Assistive products for cognitive therapy
04 27	Stimulators
04 30	Assistive products for heat or cold treatment
04 33	Assistive products intended to manage tissue integrity
04 36	Assistive products for perceptual training
04 45	Assistive products for spinal traction
04 48	Equipment for movement, strength and balance training
04 49	Wound care products

05 Assistive products for training in skills

05 03	Assistive products for communication therapy and training
05 06	Assistive products for training in alternative and augmentative communication
05 09	Assistive products for continence training
05 12	Assistive products for training in cognitive skills
05 15	Assistive products for training in basic skills
05 18	Assistive products for training in educational subjects
05 24	Assistive products for training in the arts
05 27	Assistive products for training in social skills
05 30	Assistive products for training in control of input units and handling products and goods
05 33	Assistive products for training in daily living activities

06 Orthoses and prostheses

06 03	Spinal and cranial orthoses
06 04	Abdominal orthoses
06 06	Upper limb orthoses
06 12	Lower limb orthoses
06 15	Functional neuromuscular stimulators and hybrid orthoses
06 18	Upper limb prostheses
06 24	Lower limb prostheses
06 30	Prostheses other than limb prostheses
06 33	Orthopaedic footwear

09 Assistive products for personal care and protection

09 03	Clothes and shoes
09 06	Body-worn assistive products for body protection
09 07	Assistive products for body stabilization
09 09	Assistive products for dressing and undressing
09 12	Assistive products for toileting
09 15	Assistive products for tracheostomy care
09 18	Assistive products for ostomy care
09 21	Products for skin protection and skin cleaning

09 24	Urine diverters
09 27	Urine and faeces collectors
09 30	Assistive products for absorbing urine and faeces
09 31	Assistive products to prevent involuntary urine or faeces leakage
09 33	Assistive products for washing, bathing and showering
09 36	Assistive products for manicure and pedicure
09 39	Assistive products for hair care
09 42	Assistive products for dental care
09 45	Assistive products for facial care
09 54	Assistive products for sexual activities

12 Assistive products for personal mobility

12 03	Assistive products for walking, manipulated by one arm
12 06	Assistive products for walking, manipulated by both arms
12 07	Accessories for assistive products for walking
12 10	Cars, vans and trucks
12 11	Mass transit vehicles
12 12	Vehicle accessories and vehicle adaptations
12 16	Mopeds and motorcycles
12 17	Alternative motorized vehicles
12 18	Cycles
12 22	Manual wheelchairs
12 23	Powered wheelchairs
12 24	Wheelchair accessories
12 27	Alternative human-powered vehicles
12 31	Assistive products for transfer and turning
12 36	Assistive products for lifting persons
12 39	Assistive products for orientation

15 Assistive products for housekeeping

15 03	Assistive products for preparing food and drink
15 06	Assistive products for dishwashing
15 09	Assistive products for eating and drinking
15 12	Assistive products for housecleaning
15 15	Assistive products for making and maintaining textiles

18 Furnishings and adaptations to homes and other premises

18 03	Tables
18 06	Light fixtures
18 09	Sitting furniture
18 10	Accessories for sitting furniture
18 12	Beds
18 15	Assistive products for height adjustment of furniture

- 18 18 Supporting handrails and grab bars
- 18 21 Gate, door, window and curtain openers/closers
- 18 24 Construction elements in the home and other premises
- 18 30 Assistive products for vertical accessibility
- 18 33 Safety equipment for the home and other premises
- 18 36 Furniture for storage

22 Assistive products for communication and information

- 22 03 Assistive products for seeing
- 22 06 Assistive products for hearing
- 22 09 Assistive products for voice production
- 22 12 Assistive products for drawing and writing
- 22 15 Assistive products for calculation
- 22 18 Assistive products that record, play and display audio and visual information
- 22 21 Assistive products for face-to-face communication
- 22 24 Assistive products for telephoning and telematic messaging
- 22 27 Assistive products for alarming, indicating, reminding and signalling
- 22 30 Assistive products for reading
- 22 33 Computers and terminals
- 22 36 Input devices for computers
- 22 39 Output devices for computers

24 Assistive products for handling objects and devices

- 24 06 Assistive products for handling containers
- 24 09 Assistive products for operating and controlling devices
- 24 13 Assistive products for controlling from a distance
- 24 18 Assistive products to assist or replace arm, hand, finger function or a combination of these functions
- 24 21 Assistive products for extended reach
- 24 24 Assistive products for positioning
- 24 27 Assistive products for fixation
- 24 36 Assistive products for carrying and transporting

27 Assistive products for environmental improvement and assessment

- 27 03 Assistive products for environmental improvement
- 27 06 Measuring instruments

28 Assistive products for employment and vocational training

- 28 03 Workplace furniture and furnishing elements
- 28 06 Assistive products for transporting objects in the workplace
- 28 09 Assistive products for hoisting and repositioning objects in the workplace
- 28 12 Assistive products for fixing, reaching and grasping objects in the workplace
- 28 15 Machines and tools for use in the workplace
- 28 18 Devices for testing and monitoring in the workplace

- 28 21 Assistive products for office administration, information storage and management at work
- 28 24 Assistive products for protection and safety in the workplace
- 28 27 Assistive products for vocational assessment and vocational training

30 Assistive products for recreation

- 30 03 Assistive products for play
- 30 09 Assistive products for sports
- 30 12 Assistive products for playing and composing music
- 30 15 Assistive products for producing photos, films and videos
- 30 18 Handicraft tools, materials and equipment
- 30 21 Assistive products for gardening and lawn care for private use
- 30 24 Assistive products for hunting and fishing
- 30 27 Assistive products for camping and caravanning
- 30 30 Assistive products for smoking
- 30 33 Assistive products for pet care

6.3 Three-level, detailed classification with explanations, inclusions, exclusions and references

Where relevant product standards exist, their terminology is used in this International Standard (see Bibliography).

04 ASSISTIVE PRODUCTS FOR PERSONAL MEDICAL TREATMENT

Included are products intended to improve, monitor or maintain the medical condition of a person.

Excluded are assistive products used exclusively by healthcare professionals.

04 03 Assistive products for respiration

Equipment for assisting a person to breathe

Vibrators, see 04 27 12

Uvula orthoses, see 06 03 24

Assistive products for environmental improvement, see 27 03

04 03 03 *Inhaled-air pretreatment devices*

Devices that take in air from the surrounding area and physiologically treat it before inhalation by warming, cooling or cleaning the air

04 03 06 *Inhalation equipment*

Devices for assisting a person to inhale or to administer drugs in the form of vapour, gas, liquid spray or fine dust

Included are, e.g., jet dispensers, automatic inhaler dispensers, pressure respirators, ultrasound nebulizers, filters and nebulizers with dosage aerosols.

04 03 12 *Respirators*

Devices for providing artificial ventilation through the nose, the mouth or an artificial hole in the air pipe (tracheostomy) for a person who has difficulties with breathing

Included are, e.g., ventilators and respirators that filter or purify the surrounding air, Continuous Positive Airway Pressure (CPAP) and Bilevel Positive Airway Pressure (BIPAP).

04 03 18 *Oxygen units*

Devices providing concentrated oxygen gas, which is breathed in through the nose and mouth

Included are, e.g., units that concentrate oxygen from the surrounding air.

04 03 21 *Aspirators*

Devices for sucking secretions and substances out of the lungs

- 04 03 24 *Benches and cushions for respiration*
Devices for positioning a person in order to help him/her to breathe or to drain secretions from the lungs
- 04 03 27 *Respiration muscle trainers*
Devices for training the respiratory muscles either by applying resistance when a person is breathing or by direct compression on to the walls of the chest
Included are, e.g., masks that give resistance to inhaling and exhaling.
- 04 03 30 *Respiration meters*
Instruments for measuring the volume of air inhaled and exhaled
Included are, e.g., spirometers.
- 04 06 Assistive products for circulation therapy**
Equipment for assisting circulation by passive or active compression
Blood pressure meters, see 04 24 09
Exercise and ergometer cycles, see 04 48 03
Special sitting furniture, see 18 09 21
Beds and detachable bed-boards/mattress support platforms with manual adjustment, see 18 12 07
Beds and detachable bed-boards/mattress support platforms with powered adjustment, see 18 12 10
- 04 06 06 *Anti-oedema stockings for arms and legs and other parts of the body*
Clothes that have a gradually descending pressure towards body for curing or preventing oedema after operations and varicose wounds
Included are, e.g., tube-like elastic anti-oedema bandages and stockings for arms and legs for reducing or preventing swelling caused by circulation problems.
- 04 06 09 *Air-filled garments and compression units for circulation problems*
Equipment with air-filled attachments for surrounding an affected part of the body; equipment consisting of both compression garments and compressors, that produces waves of compression to aid the circulation and to prevent swelling caused by circulation problems
- 04 07 Assistive products for scar formation prevention**
Garments that prevent and control hypertrophic scar tissue after burns by giving even pressure
- 04 08 Compression garments for body control and conceptualization**
Garments that facilitate body posture and control or body conceptualization with even pressure; clothes that are used to enhance daily activities
- 04 09 Assistive products for light therapy**
Infrared (IR) lamps, see 04 30 03
- 04 09 03 *Ultraviolet A (UVA) lamps*
Devices providing emissions in the spectrum range of 315 nm to 400 nm
- 04 09 06 *Selective Ultraviolet Phototherapy (SUP) and Ultraviolet B (UVB) lamps*
Devices providing emissions in the spectrum range 280 nm to 315 nm
- 04 09 09 *Protective eyeglasses for light therapy*
Devices for protecting the eyes from ultraviolet rays
Assistive products for eye protection or face protection, see 09 06 06
- 04 15 Assistive products for dialysis therapy**
Devices for purifying the blood of a person
Assistive products for administering medicines, see 04 19
Sterilizing equipment, see 04 22
Bacteria culture media and equipment, see 04 24 06
Blood pressure meters, see 04 24 09
Blood analysis devices, equipment and materials, see 04 24 12
Body thermometers, see 04 24 24
Personal scales, see 04 24 27
Tables, see 18 03

Light fixtures, see 18 06
Sitting furniture, see 18 09
Water purifiers and water softeners, see 27 03 18

- 04 15 03 *Haemodialysis units (HD)*
Machines used regularly for purifying the blood of a person who has poorly functioning or absent kidneys
Included are, e.g., dialysers, monitors, blood pumps, heparin pumps and air detectors.
- 04 15 06 *Units for continuous ambulant peritoneal dialysis (CAPD)*
Body-worn devices for continuously purifying the blood of a person with poorly functioning or absent kidneys
Included are, e.g., infusion unit bags, frames, heaters and fistula cannulas.
- 04 15 12 *Instrument sets for dialysis*
Devices to connect a person to a dialyser
Included are, e.g., trays and forceps.
Sterilizing equipment, see 04 22
- 04 19 Assistive products for administering medicines**
Assistive products to control the rate and quantity of medicines administered
Included are, e.g., devices that assist or help the introduction of liquid medicines directly into the body through the skin.
Openers, see 24 06 03
- 04 19 04 *Assistive products for measuring, dispensing or modifying medication to ensure its proper use*
Devices to help a person measure the correct dosage of medicine, taken orally or injected; to dispense the correct dosage of a medicine; to modify a tablet, capsule or pill to obtain a lower dose of the active ingredient; or to modify the form of a medication to facilitate its proper administration or consumption
Included are, e.g., pill crushers and splitters and assistive products for measuring the volume of liquid medicine.
Assistive products for alarming, indicating, reminding and signaling, see 22 27
- 04 19 06 *Injection guns*
Devices with a trigger for introducing liquid medicines directly into the body through the skin
- 04 19 09 *Injection syringes, single-use*
Devices with a plunger for introducing liquid medicines directly into the body through a needle inserted in the skin; each syringe is intended for a single use only
- 04 19 12 *Injection syringes, multi-use*
Devices with a plunger for introducing liquid medicines directly into the body through a needle inserted in the skin; each syringe can be sterilized and re-used
- 04 19 15 *Injection needles, single-use*
Needles intended for single use only
- 04 19 18 *Injection needles, multi-use or permanent use*
Needles that can be sterilized and re-used and needles that can stay in the body for a long period of time
- 04 19 24 *Infusion pumps*
Devices attached to the body for the automatic administration of medicine
Included are, e.g., insulin pumps.
- 04 19 27 *Unpowered infusion systems*
Intravenous drip systems for the administration of medicine
- 04 19 30 *Assistive products for inserting suppositories*
- 04 19 33 *Accessories for assistive products for administering medicines*
Included are, e.g., products for positioning and fixation of needles.
- 04 22 Sterilizing equipment**
Devices that eliminate harmful bacteria, viruses and other microorganisms from assistive products

- 04 24 Physical, physiological and biochemical test equipment and materials**
Measuring instruments and equipment for the workplace, see 28 18 03
- 04 24 03 *Urine analysis equipment*
- 04 24 06 *Bacteria culture media and equipment*
- 04 24 09 *Blood pressure meters (sphygmomanometers)*
- 04 24 12 *Blood analysis devices, equipment and materials*
Included are, e.g., blood glucose monitors
- 04 24 15 *Electrocardiogram (ECG) equipment*
Equipment for monitoring and recording the activities of the heart
Stethoscopes, see 04 24 21
- 04 24 18 *Physical test and evaluation materials*
Equipment for testing and evaluating functions like joint stability, joint mobility, muscle strength and physical endurance, as well as movement activities like sitting, standing, rolling over and walking
- 04 24 21 *Assistive products for measuring human physical and physiological properties*
Included are, e.g., stethoscopes.
- 04 24 24 *Body thermometers*
Instruments for measuring the body temperature
- 04 24 27 *Personal scales*
Instruments for weighing a person
- 04 24 30 *Assistive products for measuring skin condition*
Instruments for measuring the state of a person's skin, e.g., thickness, moisture, dryness
Biofeedback devices for movement, strength and balance training, see 04 48 24
Personal emergency alarm systems, see 22 27 18
- 04 25 Cognitive test and evaluation materials**
Equipment for testing all those functions and activities that are related to logical thinking, intellectual potential and reasoning
Assistive products for vocational assessment and vocational training, see 28 27
- 04 25 03 *Language test and evaluation materials*
Equipment for testing and evaluating how to use and understand language as a means of communication
- 04 25 06 *Psychological test and evaluation materials*
Equipment for testing and evaluating behaviour, attitudes and emotional response
- 04 25 09 *Educational test and evaluation materials*
Equipment for testing and evaluating learning capabilities, abilities and potential
Included are, e.g., vocational tests.
- 04 26 Assistive products for cognitive therapy**
Devices to assist in cognitive therapy, including doll therapy and memory stimulation therapy to aid people suffering from memory impairment
Included are, e.g., dolls intended for therapeutic use and therapeutic robots.
Memory support products, see 22 27 16
- 04 27 Stimulators**
Assistive products for increasing, decreasing or stabilizing body functions, through non-orthotic stimulators
Assistive products for sexual activities, see 09 54
Hearing aids used in connection with implants, see 22 06 21
- 04 27 06 *Stimulators for pain relief*
Equipment that changes the nerve sensitivity and, therefore, reduces the sensation of physical pain

- 04 27 09 *Muscle stimulators not used as orthoses*
Equipment for stimulating a muscle or a particular area of a muscle causing it to contract or relax
Included are, e.g., stimulators to treat incontinence.
Upper limb orthoses with built-in muscle stimulators, see 06 06
Lower limb orthoses with built-in muscle stimulators, see 06 12
- 04 27 12 *Vibrators*
Devices made to oscillate very rapidly that are used in vibratory massage for therapeutic purposes
Included are, e.g., relaxation massage devices and vibrators for loosening mucus in the lungs (percussors).
Devices for sexual activities, orgasm, ejaculation and erection, see 09 54 09
- 04 27 15 *Sound stimulators*
Devices to mask the auditory perception of noise produced from within the ear or from external sources
Included are, e.g., tinnitus masks.
Assistive products for hearing, see 22 06
- 04 27 18 *Assistive products for stimulating senses and sensibility*
Included are, e.g., tactile stimulators and products for occlusion treatment to cover one eye in order to stimulate the other eye.
- 04 27 21 *Assistive products for stimulating cell growth*
Included are, e.g., magnetic field stimulation and electric stimulation of bone growth and tissue growth.
- 04 30 Assistive products for heat treatment or cold treatment**
Devices to produce heat or cold for therapeutic purposes
- 04 30 03 *Assistive products for heat treatment*
Devices for heating the body or an area of the body for therapeutic purposes
Included are, e.g., IR lamps and preheated cushions.
- 04 30 06 *Assistive products for cold treatment*
Devices for cooling the body or an area of the body for therapeutic purposes
- 04 33 Assistive products intended to manage tissue integrity**
Included are, e.g., products to prevent pressure sores and decubitus ulcers.
Body-worn assistive products for body protection, see 09 06
Pads, cushions and other accessories for walking aids to prevent bruising or skin injury, see 12 07 18
- 04 33 03 *Seat cushions and underlays for tissue integrity*
Devices for tissue integrity through redistribution of the load on the buttocks
Seat cushions and underlays, see 18 10 06
- 04 33 04 *Back cushions and back pads for tissue integrity*
Devices for redistribution of the load on vulnerable parts of the back
Back supports, see 18 10 03
- 04 33 06 *Assistive products for tissue integrity when lying down*
Products intended to redistribute the load on vulnerable parts of the body during extended periods of lying and to prevent sores and decubitus ulcers
Mattresses and mattress coverings, see 18 12 18
- 04 33 09 *Special equipment for tissue integrity*
Equipment for evaluating or warning of excess pressure on parts of the body
Included are, e.g., alarms for skin integrity.
- 04 36 Assistive products for perceptual training**
Assistive products for training in the correct acquisition and mental processing of external stimuli (coming from sight, hearing and other senses)
Stimulators, see 04 27
Assistive products for heat or cold treatment, see 04 30
Equipment for movement, strength and balance training, see 04 48

Assistive products for communication therapy and training, see 05 03

Assistive products for training in cognitive skills, see 05 12

- 04 36 03 *Assistive products for training in perceptual discrimination and matching*
Equipment for helping a person to distinguish between, match and categorize external stimuli
Included are, e.g., vibrating chairs (for training deaf persons).
- 04 36 06 *Assistive products for training in perceptual coordination*
Equipment for training to improve ability to correctly process and coordinate external stimuli, especially those relating to concepts of space and time, spatial concepts and eye-hand coordination
Assistive products for training personal mobility, see 05 33 09
- 04 36 09 *Assistive products for training in sensory integration*
Products for facilitating the coordination and integration of incoming sensory information to the brain from different senses
- 04 45 Assistive products for spinal traction**
Devices used to produce stretching of the spine
- 04 48 Equipment for movement, strength and balance training**
- 04 48 03 *Exercise and ergometer cycles*
Stationary cycles for physical exercise
Included are, e.g., arm ergometer cycles and weight bearing treadmill systems.
- 04 48 07 *Assistive products for walking exercise*
Stationary equipment for providing support to a person learning to walk
Included are, e.g., parallel bars and weight support treadmill systems.
Assistive products for training in personal mobility, see 05 33 09
- 04 48 08 *Standing frames and supports for standing*
Stationary equipment for providing support to a person for keeping an upright position
- 04 48 12 *Finger and hand exercise devices*
Equipment for training movement or strengthening the fingers and the hands
- 04 48 15 *Arm exercise devices, trunk exercise devices and leg exercise devices*
Equipment for training movement and balance or for strengthening the limbs and the trunk
Included are, e.g., wall bars, trampolines, gymnasium mats, balance boards and equipment that supports aerobic and strength training for people who are sitting in a wheelchair while exercising.
- 04 48 18 *Weighted cuffs*
Cuffs filled with weighted substances worn on the limbs during exercise to strengthen them or to prevent trembling in limbs
- 04 48 21 *Tilting tables*
Platforms for positioning and supporting a person while progressively moving him/her from a lying position to an upright position so that the body can adapt to functioning in that position
- 04 48 24 *Biofeedback devices for movement, strength and balance training*
Devices for providing an audible, a visible or a tactile signal in response to a specific physical or physiological action
- 04 48 27 *Assistive products for body positioning during therapy*
Equipment for supporting a person in the correct position to facilitate therapy and treatment
Tilting tables, see 04 48 21
- 04 48 30 *Jaw exercise devices*
Included are, e.g., devices for traction of the jaw.
- 04 49 Wound care products**
Included are, e.g., assistive products for wound care dressings, wound care absorption, wound care drainage and products for fixation of wound care products.
Assistive products for tracheostomy care, see 09 15
Assistive products for ostomy care, see 09 18

05 ASSISTIVE PRODUCTS FOR TRAINING IN SKILLS

Included are, e.g., devices intended to improve a person's physical, mental and social abilities. Devices that have a function other than training, but that may also be used for training, should be included in the class covering its principal function.

Assistive products for vocational assessment and vocational training, see 28 27

05 03 Assistive products for communication therapy and communication training

Products for improving communication skills in written and spoken languages

Assistive products for training in alternative and augmentative communication, see 05 06

Assistive products for mother tongue training, see 05 18 03

Assistive products for foreign language training, see 05 18 06

Assistive products that record, play and display audio and visual information, see 22 18

05 03 03 *Assistive products for voice training and speech training*

Products for training and developing the use of voice and speech, particularly in relation to the production and awareness of sounds

Included are, e.g., assistive products for training spoken language, S-, F- and Sch-indicators and acoustic spectral analysers.

Assistive products for mother tongue training, see 05 18 03

Assistive products for foreign language training, see 05 18 06

05 03 06 *Training materials for developing reading skills*

Products for training and developing reading skills, particularly strategy, approach and performance

Assistive products for mother tongue training, see 05 18 03

Book supports and book holders, see 22 30 15

05 03 09 *Training materials for developing writing skills*

Products for training and developing writing skills, particularly strategy, approach, performance and creativity

Assistive products for training in typing, see 05 30 12

Typewriters, see 22 12 15

05 06 Assistive products for training in alternative and augmentative communication

Assistive products for training alternative communication techniques and vocabulary to allow interpersonal communication

Included are, e.g., Braille, sign language and Bliss language.

Assistive products for communication and information, see 22

05 06 03 *Assistive products for training in finger spelling*

Products for training in, and learning, finger spelling, i.e. tactile communication for deaf blind people

05 06 06 *Assistive products for training in sign language*

Products for training in, and learning, sign languages, i.e. visual languages for deaf people

05 06 09 *Assistive products for training in lip-reading*

Products for training in, and learning, lip-reading

Included are, e.g., assistive products for training deaf and hard of hearing persons to understand what other people say by watching the movement of their lips.

05 06 12 *Assistive products for training in cued speech*

Products for training and learning vocal language supplemented by signing

05 06 15 *Assistive products for Braille training*

Products for training blind persons to read using the Braille code, which is a system of writing that uses characters made up of raised dots

05 06 18 *Assistive products for training in tactile symbols excluding Braille*

05 06 21 *Assistive products for training in icons and symbols*

Products for training and learning simplified and formalized pictures that represent a message or information

Included are, e.g., pic-symbols.

- 05 06 24 *Assistive products for training in Bliss communication*
Products for training and learning communication with a special picture language called Bliss
- 05 06 27 *Assistive products for training in communication with pictures and drawings*
Products for training and learning communication using pictures and drawings which illustrate the word or sentence to be communicated
Assistive products for drawing and writing, see 22 12
- 05 06 30 *Assistive products for training in Morse communication*
Products for teaching the Morse alphabet (a coded alphabet in which each letter is represented by a specific sequence of sounds or signals) and training people to use it
Assistive products for alarming, indicating, reminding and signalling, see 22 27
- 05 09 Assistive products for continence training**
Devices to train a person to control the bladder and the intestine
- 05 09 03 *Incontinence alarms*
Devices that produce a signal when involuntary urination or defecation takes place
Muscle stimulators not used as orthoses, see 04 27 09
- 05 12 Assistive products for training in cognitive skills**
Assistive products designed to enhance the abilities that underlie reasoning and logical activities, e.g. memory, attention, concentration, conceptual and applied thinking
Assistive products for communication and information, see 22
- 05 12 03 *Assistive products for memory training*
- 05 12 06 *Assistive products for training in sequencing*
Products for training a person to put words, actions, numbers, etc. in the correct order
- 05 12 09 *Assistive products for training in attention*
Products for developing concentration and other functions of attention
- 05 12 12 *Assistive products for training in concept development*
Products for training a person to understand concepts, such as colour, size and shape
- 05 12 15 *Assistive products for training in classification*
Products for training a person to group related things together
- 05 12 18 *Assistive products for training in problem solving*
- 05 12 21 *Assistive products for training inductive/deductive reasoning*
Products to train logical thinking when drawing conclusions from a set of facts and generalizing and interpreting them
- 05 12 24 *Assistive products for developing understanding of cause and effect*
- 05 15 Assistive products for training in basic skills**
Assistive products for training in sensory integration, see 04 36 09
- 05 15 03 *Assistive products for early training in counting*
Products designed to assist in the acquisition of the conceptual link between the number of objects, figures and basic arithmetical operations
- 05 15 06 *Assistive products for coding and decoding written language*
Products for training in the relationship between letters and their corresponding sounds
Training materials for developing reading skills, see 05 03 06
Training materials for developing writing skills, see 05 03 09
Assistive products for mother tongue training, see 05 18 03
- 05 15 09 *Assistive products for training in understanding of time*
Products for training in the concept and function of time
Clocks and timepieces, see 22 27 12
- 05 15 12 *Assistive products for training in understanding of money*
Equipment for training in the basic concept and function of money

- 05 15 15 *Assistive products for training in understanding measurement of size and capacity*
Products that teach the concepts of mass, volume and length and the application of those concepts to measure objects
Assistive products for weighing and measuring to prepare food and drink, see 15 03 03
Measuring instruments, see 27 06
- 05 15 18 *Assistive products for training in basic geometric skills*
Products that aid a person to learn the main characteristics of geometric shapes, and to recognize, name and compare shapes
Assistive products for training in mathematics and physical sciences, see 05 18 15
- 05 18 Assistive products for training in educational subjects**
Included are, e.g., assistive products to assist study and competence acquisition in a range of areas
Assistive products for vocational assessment and vocational training, see 28 27
- 05 18 03 *Assistive products for mother tongue training*
Products to aid in educating a person in the ability to speak and understand their native language
Assistive products for voice training and speech training, see 05 03 03
- 05 18 06 *Assistive products for foreign language training*
Products to aid in educating a person in the ability to speak and understand a language or dialect other than their native language
Assistive products for training in alternative and augmentative communication, see 05 06
Assistive products for voice training and speech training, see 05 03 03
- 05 18 09 *Assistive products for training in humanities*
Products to aid in educating a person in the humanities such as history, philosophy and literature
Products to assist in training in the arts, see 05 24
- 05 18 12 *Assistive products for training in social sciences*
Products to aid in educating a person in the social sciences such as sociology and psychology
- 05 18 15 *Assistive products for training in mathematics and physical sciences*
Products to aid in educating a person in mathematics and the natural sciences such as biology, physics, and chemistry
- 05 24 Assistive products for training in the arts**
Products for the acquisition and the exercise of functional abilities and tools allowing artistic expression in a range of fields
Assistive products for recreation, see 30
- 05 24 03 *Assistive products for training in musical skills*
Products used for learning about general music theory, how to play a specific instrument and how to sing
Assistive products for playing and composing music, see 30 12
- 05 24 06 *Assistive products for training in drawing and painting skills*
Products used for learning about drawing and painting techniques
Assistive products for drawing and writing, see 22 12
Handicraft tools, materials and equipment, see 30 18
- 05 24 09 *Assistive products for training in drama and dance*
Equipment used for learning about acting and dancing techniques
- 05 27 Assistive products for training in social skills**
Devices and material for helping to learn how to interact with the outside world, both in terms of individual social integration and relationships with others
- 05 27 03 *Assistive products for training in recreational activities*
Products used to teach a person to take part in leisure activities
Assistive products for recreation, see 30
- 05 27 06 *Assistive products for training in social behaviour*
Products used to teach a person to interact and live in harmony with other individuals

- 05 27 09 *Assistive products for personal safety training*
Products used to teach a person to identify external dangers and dangerous personal behaviour
Safety equipment for the home and other premises, see 18 33
- 05 27 12 *Assistive products for travel training*
Products used to teach a person skills related to travel, e.g. use of public transport, maps, timetables
Assistive products for personal mobility, see 12
Assistive products for orientation, see 12 39
- 05 30 Assistive products for training in control of input units and handling products and goods**
Physical test and evaluation materials, see 04 24 18
Assistive products for perceptual training, see 04 36
Equipment for movement, strength and balance training, see 04 48
Input devices for computers, see 22 36
Assistive products for handling objects and devices, see 24
- 05 30 03 *Assistive products for training in mouse control*
- 05 30 06 *Assistive products for training in joystick control*
Assistive products for training in personal mobility, see 05 33 09
- 05 30 09 *Assistive products for training in switch control*
- 05 30 12 *Assistive products for training in typing*
- 05 30 15 *Assistive products for training in selection techniques*
Assistive products for operating and controlling devices, see 24 09
- 05 33 Assistive products for training in daily living activities**
Assistive products for personal care and protection, see 09
- 05 33 03 *Assistive products for training to use orthoses and prostheses*
Orthoses and prostheses, see 06
- 05 33 06 *Assistive products for training in everyday personal activities*
- 05 33 09 *Assistive products for training in personal mobility*
Included are, e.g., equipment for training in, for example, walking and using a wheelchair.
Assistive products for personal mobility, see 12
- 05 33 12 *Assistive products for training in housekeeping*
Assistive products for housekeeping, see 15

06 ORTHOSES AND PROSTHESES

Orthoses are externally applied devices used to modify the structural and functional characteristics of the neuro-muscular and skeletal systems; prostheses are externally applied devices used to replace, wholly or in part, an absent or deficient body segment.

Included are, e.g., body-powered and externally powered external orthoses, prostheses, cosmetic prostheses and orthopaedic footwear.

Excluded are endo-prostheses, which are not part of this International Standard.

06 03 Spinal and cranial orthoses

Orthoses that are designed to modify the structural and functional characteristics of the neuro-muscular and the skeletal systems of the spine and skull; the device may be custom-fabricated to meet the functional needs of the individual user or prefabricated to meet a particular set of functional requirements; the prefabricated devices may be adjustable to fit an individual user, or they may be ready-to-use so that adjustment is not possible or no adjustment is necessary for any user

- 06 03 03 *Sacro-iliac orthoses*
Orthoses that encompass whole or part of the sacro-iliac region of the trunk
- 06 03 04 *Lumbar orthoses*
Orthoses that encompass the lumbar region of the trunk

- 06 03 06 *Lumbo-sacral orthoses*
Orthoses that encompass the whole or part of the lumbar and sacro-iliac regions of the trunk
- 06 03 07 *Thoracic orthoses*
Orthoses that encompass the whole or part of the thoracic region of the trunk
- 06 03 08 *Thoraco-lumbar orthoses*
Orthoses that encompass the whole or part of the thoracic and lumbar regions of the trunk
- 06 03 09 *Thoraco-lumbo-sacral orthoses*
Orthoses that encompass the whole or part of the thoracic, lumbar and sacro-iliac regions of the trunk
- 06 03 12 *Cervical orthoses*
Orthoses that encompass the whole or part of the cervical region, including the atlanto-occipital joint
Included are, e.g., the head/spine joints.
- 06 03 15 *Cervico-thoracic orthoses*
Orthoses that encompass the whole cervical and thoracic regions, including the atlanto-occipital joint
Included are, e.g., the head/spine joints.
- 06 03 18 *Cervico-thoraco-lumbo-sacral orthoses*
Orthoses that encompass the whole cervical, thoracic, lumbar and sacro-iliac regions, including the atlanto-occipital joint
Included are, e.g., the head/spine joints.
- 06 03 21 *Cranial orthoses*
Orthoses that encompass the skull (cranium)
- 06 03 24 *Uvula orthoses*
Orthoses that encompass the uvula
Included are, e.g., devices to enable continuity in breathing and to avoid snoring.
Assistive products for respiration, see 04 03
- 06 03 27 *Joints for spinal orthoses*
Orthoses used as components of spinal orthoses to allow or control motion of the joints of the spine
- 06 04 Abdominal orthoses**
Orthoses that encompass the whole or part of the abdomen
- 06 04 03 *Abdominal muscle supports*
Devices to support the abdomen
- 06 04 06 *Abdominal hernia supports*
Devices to support and hold hernia in place
Included are, e.g., hernia straps, girdles and trusses.
- 06 06 Upper limb orthoses**
Orthoses that are designed to modify structural and functional characteristics of the neuro-muscular and the skeletal systems of the upper limbs; the devices may be custom fabricated, i.e. designed to meet the functional needs of an individual user, or prefabricated, i.e. designed to meet particular functional requirements; the prefabricated devices are adjustable, i.e. need adjustment for the individual user, or ready to use, i.e. need no adjustment for the individual user
- 06 06 03 *Finger orthoses*
Orthoses that encompass the whole or part of a finger
- 06 06 06 *Hand orthoses*
Orthoses that encompass the whole or part of the hand
- 06 06 07 *Hand-finger orthoses*
Orthoses that encompass the whole or part of the hand and the whole or part of one or more fingers
- 06 06 12 *Wrist-hand orthoses*

- Orthoses that encompass the wrist joint and the whole or part of the hand
- 06 06 13 *Wrist-hand-finger orthoses*
Orthoses that encompass the wrist joint and the hand and one or more fingers
- 06 06 15 *Elbow orthoses*
Orthoses that encompass the elbow joint
- 06 06 19 *Elbow-wrist-hand orthoses*
Orthoses that encompass the elbow and wrist joints and the whole or part of the hand
- 06 06 20 *Forearm orthoses*
Orthoses that encompass the forearm with or without the elbow or wrist joints, i.e. with fracture treatment
- 06 06 21 *Shoulder orthoses*
Orthoses that encompass the shoulder joint
- 06 06 24 *Shoulder-elbow orthoses*
Orthoses that encompass the shoulder and elbow joints
- 06 06 25 *Arm orthoses*
Devices that encompass the upper arm with or without the shoulder or elbow joints, i.e. with treatment of fractures
- 06 06 30 *Shoulder-elbow-wrist-hand orthoses*
Orthoses that encompass the shoulder, elbow and wrist joints and the whole or part of the hand
- 06 06 32 *Hand-finger joints*
Orthotic joints used as components of upper limb orthoses to allow or control motion of the hand or finger joints
- 06 06 33 *Wrist joints*
Orthotic joints used as components of upper limb orthoses to allow or control motion of the wrist joint
- 06 06 36 *Elbow joints*
Orthotic joints used as components of upper limb orthoses to allow or control motion of the elbow joint
- 06 06 39 *Shoulder joints*
Orthotic joints used as components of upper limb orthoses to allow or control the motion of the shoulder joint
- 06 12 Lower limb orthoses**
Orthoses designed to modify the structural and functional characteristics of the neuro-muscular and the skeletal systems of the lower limb; the devices may be custom-fabricated, i.e. designed to meet the functional requirements of the individual user, or prefabricated, i.e. designed to meet particular functional requirements; the prefabricated devices are adjustable, i.e. need adjustment for the individual user, or ready to use, i.e. need no adjustment for the individual user
- 06 12 03 *Foot orthoses*
Orthoses that encompass the whole or part of the foot
Included are, e.g., insoles and shoe inserts, pads, arch supports, heel cushions and heel cups and orthopaedic inlays.
- 06 12 06 *Ankle-foot orthoses*
Orthoses that encompass the ankle joint and the whole or part of the foot
- 06 12 09 *Knee orthoses*
Orthoses that encompass the knee joint
- 06 12 12 *Knee-ankle-foot orthoses*
Orthoses that encompass the knee and ankle joints and the foot
- 06 12 13 *Leg orthoses*
Orthoses that encompass the lower leg, i.e. with fracture treatment
- 06 12 15 *Hip orthoses*

- Orthoses that encompass the hip joint
- 06 12 16 *Hip-knee orthoses*
Orthoses that encompass the hip and knee joints
- 06 12 17 *Thigh orthoses*
Orthoses that encompass the thigh, i.e. with fracture treatment
- 06 12 18 *Hip-knee-ankle-foot orthoses*
Orthoses that encompass the hip, knee and ankle joints and the foot
- 06 12 19 *Thoraco-lumbo/lumbo-sacral-hip-knee-ankle-foot orthoses*
Orthoses that encompass the lumbar regions of the trunk, the hip, knee and ankle joints and the foot, with or without the thoracic part of the spine
- 06 12 20 *Foot-toe joints*
Orthotic joints used as components of lower limb orthoses to allow or control motion of the foot and toe joints
- 06 12 21 *Ankle joints*
Orthotic joints used as components of lower limb orthoses to allow or control motion of the ankle joint
- 06 12 24 *Knee joints*
Orthotic joints used as components of lower limb orthoses to allow or control motion of the knee joint
- 06 12 27 *Hip joints*
Orthotic joints used as components of lower limb orthoses to allow or control motion of the hip joint
- 06 15 Functional neuromuscular stimulators and hybrid orthoses**
Devices designed to compensate a loss of motor function by electrical stimulation; formally known as FES
Included are, e.g., functional electrical stimulators and hybrid orthotic systems used in combination with mechanical orthoses in hybrid orthotic systems.
Stimulators (not used as orthoses), see 04 27
- 06 18 Upper limb prostheses**
A collection of compatible components usually produced by a single manufacturer, that can be integrated with any individually manufactured component to produce a range of different upper limb prostheses
Included are, e.g., cosmetic upper limb prostheses.
- 06 18 03 *Partial hand prostheses*
Devices that replace part of the upper limb distal to the wrist joint after amputation or, in cases of limb deficiency at birth
Included are, e.g., finger prostheses.
- 06 18 06 *Wrist disarticulation prostheses*
Devices that replace part of the upper limb at the wrist joint after amputation or, in cases of limb deficiency at birth
- 06 18 09 *Trans-radial prostheses*
Devices that replace part of the upper limb between the wrist and elbow joints after amputation or, in cases of limb deficiency at birth
- 06 18 12 *Elbow disarticulation prostheses*
Devices that replace part of the upper limb at the elbow joint after amputation or, in cases of limb deficiency at birth
- 06 18 15 *Trans-humeral prostheses*
Devices that replace part of the upper limb between the shoulder and elbow joints after amputation or in cases of limb deficiency, at birth
- 06 18 18 *Shoulder disarticulation prostheses*
Devices that replace the upper limb at the shoulder joint after amputation or, in cases of limb deficiency at birth

- 06 18 21 *Forequarter amputation prostheses*
Devices that replace the upper limb at the scapulo-thoracic and sterno-clavicular joints after amputation or, in cases of limb deficiency at birth
- 06 18 24 *Prosthetic hands*
Devices used as components of upper limb prostheses to substitute for the appearance and for some of the functions of the normal hand
- 06 18 25 *Split hooks*
Devices used as components of upper limb prostheses to substitute for some of the functions of the normal hand
- 06 18 26 *Appliances or tools for prosthetic hands with a particular function*
Products for use for a specific purpose with, or in place of, prosthetic hands
Split hooks, see 06 18 25
- 06 18 30 *Wrist units*
Devices used as components of upper limb prostheses to substitute for the appearance and for some of the functions of the normal wrist joint
- 06 18 33 *Elbow units*
Devices used as components of upper limb prostheses to substitute for the appearance and for some of the functions of the normal elbow joint
- 06 18 36 *Shoulder units*
Devices used as components of upper limb prostheses to substitute for the appearance and for some of the functions of the normal shoulder joint
- 06 18 39 *External joints for upper limb prostheses*
Devices used as components of upper limb prostheses to encompass the normal wrist or elbow joints
- 06 18 40 *Humeral rotation units*
Devices used as components of upper limb prostheses to substitute for the appearance and for normal internal/external rotation of the shoulder joint
- 06 18 41 *Additional humeral flexion units*
Devices used as components of upper limb prostheses to increase the effective elbow flexion range of the prosthesis
- 06 24 Lower limb prostheses**
A collection of compatible components usually produced by a single manufacturer that can be integrated with any individually manufactured component to produce a range of different lower limb prostheses
Included are, e.g., cosmetic lower limb prostheses.
- 06 24 03 *Partial foot prostheses*
Devices that replace part of the lower limb distal to the ankle joint after amputation or, in cases of limb deficiency at birth
Included are, e.g., toe prostheses.
- 06 24 06 *Ankle disarticulation prostheses*
Devices that replace part of the lower limb at the ankle joint after amputation or, in cases of limb deficiency at birth
- 06 24 09 *Trans-tibial prostheses*
Devices that replace part of the lower limb between the knee joint and the ankle joint after amputation or, in cases of limb deficiency at birth
- 06 24 12 *Knee disarticulation prostheses*
Devices that replace part of the lower limb at the knee joint after amputation or, in cases of limb deficiency at birth
- 06 24 15 *Trans-femoral prostheses*
Devices that replace part of the lower limb between the hip joint and the knee joint after amputation or, in cases of limb deficiency at birth
- 06 24 18 *Hip disarticulation prostheses*

- Devices that replace the lower limb at the hip joint after amputation or, in cases of limb deficiency at birth
- 06 24 21 *Trans-pelvic prostheses*
Devices that replace the lower limb together with part or all of the hemipelvis after amputation or, in cases of limb deficiency at birth
- 06 24 24 *Hemi-corporectomy prostheses*
Devices used after amputation of both lower limbs and the pelvis
- 06 24 27 *Ankle-foot units*
Devices used as components of lower limb prostheses to substitute for some of the functions of the foot and ankle
Included are, e.g., separate ankle units and foot units.
- 06 24 30 *Torque reducers*
Devices used as components of lower limb prostheses to allow rotation in the transverse plane between the components of the prosthesis
- 06 24 31 *Shock absorbers*
Devices used as components of lower limb prostheses to reduce peak force at initial impact
- 06 24 33 *Knee units*
Devices used as components of lower limb prostheses to substitute for some of the functions of the knee joint
- 06 24 36 *Hip units*
Devices used as components of lower limb prostheses to substitute for some of the functions of the hip joint
- 06 24 37 *External joints for lower limb prostheses*
Devices used as components of lower limb prostheses to encompass the hip, knee or ankle joints and constrain unwanted motion at the joint
- 06 24 40 *Liners*
Devices used to provide one or more of several interface functions, including volume adjustment, pressure distribution, abrasion elimination or (suction) suspension
- 06 24 41 *Prefabricated sockets*
Devices used as components of lower limb prostheses to accommodate the residual limb and act as the interface between the limb and the prosthesis and that can be adjustable for the individual user
- 06 24 45 *Alignment components for lower limb prostheses*
Devices used as components of lower limb prostheses to permit changes in the position of the components relative to one another
- 06 24 48 *Temporary prostheses for lower limb amputees*
Devices used for the early mobilization of lower limb amputees prior to the supply of a definitive prosthesis
- 06 30 Prostheses other than limb prostheses**
Devices used to replace totally, or in part, the appearance and function of an absent body segment other than limbs
- 06 30 03 *Wigs*
Devices that substitute for all the hair on a person's head
- 06 30 06 *Hairpieces and toupees*
Devices that substitute for a part of the hair on a person's head
- 06 30 09 *Eyelashes and eyebrows*
Devices that substitute for eyelashes or eyebrows
- 06 30 12 *Moustaches and beards*
Devices that substitute for the moustache or beard
- 06 30 15 *Back fillers*
Devices that fill in severe curvatures of the back

- 06 30 18 *Mammary prostheses*
Devices that reproduce the appearance of all or part of the breast
- 06 30 21 *Ocular prostheses*
Devices that reproduce the appearance of the eye
- 06 30 24 *Aural prostheses*
Devices that reproduce the appearance of the ears
- 06 30 27 *Nasal prostheses*
Devices that reproduce the appearance of the nose
- 06 30 30 *Composite facial prostheses*
Devices that reproduce the appearance of all or a part of the face
Included are, e.g., eye prostheses, ear prostheses, nose prostheses and prostheses combining some or all of these.
- 06 30 33 *Palate prostheses*
Devices that reproduce the function of the palate
- 06 30 36 *Dentures*
Devices that reproduce the appearance and the function of the teeth
- 06 30 39 *Skin-covering agents*
Substances used to cover up blemishes on the skin
- 06 33 Orthopaedic footwear**
Footwear intended to treat or compensate for the impaired body functions or body structures of a person's leg, ankle and foot
Included are ready-made and custom-made orthopaedic footwear.
Foot orthoses, see 06 12 03
Shoes and boots, see 09 03 42
Personal protective equipment for the workplace, see 28 24 03
- 06 33 04 *Orthopaedic shoes to prevent deformity*
Included are, e.g., deep-lasting, soft-interface and long-entry footwear.
- 06 33 05 *Orthopaedic shoes to reduce deformity*
Included are, e.g., soft-interface footwear.
- 06 33 07 *Orthopaedic shoes to hold deformity*
- 06 33 12 *Orthopaedic shoes to limit the range of motion of joints in ankle and foot*
- 06 33 15 *Orthopaedic shoes to increase the range of motion of joints in ankle and foot*
- 06 33 18 *Orthopaedic shoes to add to the length of the leg and foot*
- 06 33 21 *Orthopaedic shoes to improve the shape of the leg and foot*
- 06 33 24 *Orthopaedic shoes to compensate for weak muscle activity*
- 06 33 27 *Orthopaedic shoes to control the effect of muscle hyperactivity*
- 06 33 30 *Orthopaedic shoes to reduce or distribute load on tissue*
- 09 ASSISTIVE PRODUCTS FOR PERSONAL CARE AND PROTECTION**
Included are, e.g., assistive products for dressing and undressing, for body protection, for personal hygiene, for tracheostomy, ostomy and incontinence care and for sexual activities.
Assistive products for eating and drinking, see 15 09
- 09 03 Clothes and shoes**
Included are, e.g., clothes and shoes for babies and children.
Assistive products intended to manage tissue integrity, see 04 33
Assistive products for making and maintaining textiles, see 15 15
Assistive products for protection and safety in the workplace, see 28 24
- 09 03 05 Outerwear

Clothing worn outdoors over other clothes to protect a person against cold, wind and all types of precipitation
Included are, e.g., coats for outdoor use; ponchos and wraps for a person riding in a wheelchair, pram or sledge.

- 09 03 09 *Headwear*
Assistive products for head protection, see 09 06 03
- 09 03 12 *Gloves and mittens*
Assistive products for hand protection, see 09 06 15
- 09 03 15 *Blouses and shirts*
- 09 03 18 *Jackets and trousers*
Outerwear, see 09 03 05
- 09 03 21 *Skirts and dresses*
- 09 03 24 *Underwear*
Assistive products for absorbing urine and faeces, see 09 30
- 09 03 27 *Stockings and socks*
Anti-oedema stockings for arms and legs and other parts of the body, see 04 06 06
Air-filled garments and compression units for circulation problems, see 04 06 09
Assistive products for knee or leg protection, see 09 06 18
- 09 03 30 *Nightwear*
- 09 03 33 *Bathing wear*
Included are, e.g., clothing for hydrotherapy and protective bathing pants.
Assistive products for absorbing urine and faeces, see 09 30
- 09 03 39 *Bibs and aprons*
Garments worn over the front of the body to protect clothing or the body from getting soiled
- 09 03 42 *Shoes and boots*
Included are, e.g., shoes for dedicated use, like sport shoes and inlays.
Foot orthoses, see 06 12 03
Orthopaedic footwear, see 06 33
Assistive products for heel, toe or foot protection, see 09 06 21
- 09 03 45 *Anti-slip assistive products for shoes and boots*
Devices and materials fixed to footwear to prevent slipping
Accessories for assistive products for walking, see 12 07
- 09 03 48 *Buttoning devices and fasteners*
Included are, e.g., zippers, elastic shoelaces, holders for aprons, strips made of nylon fabric that can be fastened to themselves (Velcro strips) and other products that can facilitate buttoning or fastening.
Assistive products for dressing and undressing, see 09 09
- 09 03 51 *Ties with special features to fasten*
Included are, e.g., neckties and bow-ties.
- 09 06** **Body-worn assistive products for body protection**
Equipment to prevent injury to parts of the body
Assistive products intended to manage tissue integrity, see 04 33
Personal protective equipment for the workplace, see 28 24 03
- 09 06 03 *Assistive products for head protection*
Headwear, see 09 03 09
- 09 06 06 *Assistive products for eye protection or face protection*
Included are, e.g., moist chambers and watch-glass dressings.
Protective eyeglasses for light therapy, see 04 09 09
- 09 06 09 *Assistive products for ear protection or hearing protection*
Assistive products for reducing noise, see 27 03 09

- 09 06 12 *Assistive products for elbow protection or arm protection*
Pads, cushions and other accessories for walking aids to prevent bruising or skin injury, see 12 07 18
- 09 06 15 *Assistive products for hand protection*
Included are, e.g., wheelchair gloves.
Gloves and mittens, see 09 03 12
Pads, cushions and other accessories for walking aids to prevent bruising or skin injury, see 12 07 18
- 09 06 18 *Assistive products for knee protection or leg protection*
Included are, e.g., stockings for amputated legs (stump socks).
Stockings and socks, see 09 03 27
- 09 06 21 *Assistive products for heel protection, toe protection or foot protection*
Shoes and boots, see 09 03 42
- 09 06 24 *Assistive products for trunk protection or whole-body protection*
Included are, e.g., trousers and underwear with built-in protection to prevent fracture when falling.
- 09 06 27 *Assistive products for airway protection*
Devices to protect the respiratory tract from harmful external influences
Assistive products for tracheostomy care, see 09 15
- 09 07 Assistive products for body stabilization**
Included are, e.g., seatbelts, belts and harnesses.
Assistive products for body positioning during therapy, see 04 48 27
Seatbelts and harnesses for motor vehicles, see 12 12 09
Occupant restraint systems for wheelchairs, see 12 24 30
Accessories for sitting furniture, see 18 10
- 09 09 Assistive products for dressing and undressing**
Equipment to assist when putting on or taking off clothes and shoes
Buttoning devices and fasteners, see 09 03 48
Marking materials and marking tools, see 22 27 27
- 09 09 03 *Assistive products for applying socks and pantyhose*
Devices to help a person to put on socks, stockings and tights
- 09 09 06 *Shoehorns and bootjacks*
Devices to help a person to put on and take off footwear
- 09 09 09 *Clothes holders*
Devices to hold clothes in a fixed position while dressing
- 09 09 12 *Dressing and undressing hooks or sticks*
Devices to fix or grab the clothes while dressing and undressing
- 09 09 15 *Zipper pullers*
Devices to help a person to use a zipper
- 09 09 18 *Button hooks*
Devices to help a person to button and unbutton clothes and shoes
- 09 12 Assistive products for toileting**
Assistive products for inserting suppositories, see 04 19 30
Assistive products intended to manage tissue integrity, see 04 33
Urine chutes, see 09 24 12
Non-body-worn urinals and urine bottles, see 09 27 09
Bidets, see 09 33 18
Assistive products for lifting persons, see 12 36
Supporting handrails and grab bars, see 18 18
- 09 12 03 *Commode chairs*
Chairs, with or without castors, with a built-in collection receptacle used for toileting away from the bathroom