

Dentistry - Graphical symbols for dental equipment (ISO 9687:2015)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 9687:2015 sisaldab Euroopa standardi EN ISO 9687:2015 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 9687:2015 consists of the English text of the European standard EN ISO 9687:2015.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 04.02.2015.	Date of Availability of the European standard is 04.02.2015.
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ICS 01.080.20, 11.060.20

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English Version

## Dentistry - Graphical symbols for dental equipment (ISO 9687:2015)

Médecine bucco-dentaire - Symboles graphiques pour matériel dentaire (ISO 9687:2015)

Zahnheilkunde - Graphische Symbole für zahnärztliche Ausrüstungen (ISO 9687:2015)

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (EN ISO 9687:2015) has been prepared by Technical Committee ISO/TC 106 “Dentistry” in collaboration with Technical Committee CEN/TC 55 “Dentistry” the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by August 2015, and conflicting national standards shall be withdrawn at the latest by August 2015.

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 9687:1995.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 9687:2015 has been approved by CEN as EN ISO 9687:2015 without any modification.

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## Introduction

Graphical symbols are used in many areas of daily life. They give necessary and useful information of many kinds in a visual way. They are used as signals (warning or alarm signals), for general information, as means of control, for the correct application of machines, instruments, etc. and in many other ways of communication.

Their content of information is very often superior to verbal explanations because their information is visually acknowledged instantly and is often kept in memory easier and longer than terms or phonetic explanations.

Graphical symbols are internationally understandable without sometimes difficult, possibly misleading and costly translations.

Each ISO technical committee is responsible for the selection or creation of graphical symbols within its own field of interest. Graphical symbols can form the main subject of an International Standard, or a single symbol or several symbols might appear as part of a standard covering wider aspects of the subject to which the symbol(s) refer(s).

The ISO Technical Management Board has assigned overall responsibility for standardization in the field of graphical symbols to ISO/TC 145, *Graphical symbols*, and to ISO/TC 10/SC 10, *Technical product documentation (tpd) symbols*.

ISO/TC 210 who is responsible for the development of ISO 15233, prepared an international guide to the development and registration of symbols for use in the labelling of medical devices. This guideline recommends that the proliferation of graphical symbols without international harmonization is undesirable and contrary to these objectives.

There is a need for simple, internationally accepted graphical symbols labelling that provides general and specific information to the user in a manner that overcomes the limitations of languages. It is in the best interest of safety and health of patients, dentists, dental technicians, and other persons, to reduce the confusion inherent in the use of multiple language labelling. Both of these objectives can be met by the use of standardized symbols agreed by consensus on an international basis.

The task of determining technical requirements to allow the use of specific symbols is best taken up by bodies expert in the relevant areas. ISO/TC 106/SC 6/WG 2, *Dental patient chair and dental unit*, has taken up this responsibility by developing this International Standard.

This International Standard has been prepared to reduce the need for multiple translations of words into national languages, to simplify labelling wherever possible and to prevent separate development of different symbols to convey the same information.

This International Standard contains a series of symbols (pictograms) for use in dentistry. Their application should be considered in literature for the labelling and packaging of devices used in dentistry, on items of dental equipment and instruments. Their use is unlimited and a most helpful means of communication within dentistry.

# Dentistry — Graphical symbols for dental equipment

## 1 Scope

This International Standard specifies graphical symbols for dental equipment. It is intended that the symbols are to be used on the appropriate piece of dental equipment and in documents pertaining to dental equipment, for example in instructions for use, marking, labelling, and technical product documentation.

The symbols are selected specifically for all kinds of dental equipment. The majority of the symbols are taken from relevant ISO, IEC, or other international documents. Several new symbols presented by manufacturers or users have been added.

**NOTE** In addition to terms used in two of the three official ISO languages (English, French, and Russian), this International Standard gives the equivalent terms in the German language; these are published under the responsibility of the member body for Germany (DIN). However, only the terms given in the official languages can be considered as ISO terms.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 639-1, *Codes for the representation of names of languages — Part 1: Alpha-2 code*

ISO 1942, *Dentistry — Vocabulary*

ISO 8601, *Data elements and interchange formats — Information interchange — Representation of dates and times*

ISO 15223-1:2012, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements*

ISO 17724, *Graphical symbols — Vocabulary*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 15223-1 and ISO 17724 apply.

## 4 Requirements

### 4.1 General

Graphical symbols used to convey the information given in [Clause 5](#) are given in this International Standard.

In order to arrange for the user of this International Standard all symbols necessary for dental equipment are shown in this International Standard. Therefore, some symbols defined by other International Standards are given for information purposes together with a reference to the respective International Standard.