



**SLOVENSKI STANDARD**  
**SIST EN ISO 6875:2000**  
**01-januar-2000**

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**Dental equipment - Dental patient chair (ISO 6875:1995)**

Dental equipment - Dental patient chair (ISO 6875:1995)

Zahnärztliche Ausrüstung - Zahnärztlicher Patientenstuhl (ISO 6875:1995)

Matériel dentaire - Fauteuil dentaire (ISO 6875:1995)

**Ta slovenski standard je istoveten z: EN ISO 6875:1996**

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**ICS:**

11.060.20      Z[ à [ c @ ã } æ ] ! ^ { æ      Dental equipment

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EUROPEAN STANDARD

EN ISO 6875

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English version

## Dental equipment - Dental patient chair (ISO 6875:1995)

Matériel dentaire  
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- Fauteuil dentaire

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This European Standard was approved by CEN on 1996-09-30. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

# CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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EN ISO 6875:1996

### Foreword

The text of the International Standard from Technical Committee ISO/TC 106 "Dentistry" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 April 1997, and conflicting national standards shall be withdrawn at the latest by April 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

### Endorsement notice

The text of the International Standard ISO 6875:1995 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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**Annex ZA (normative)****Normative references to international publications  
with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 9687	1993	Dental equipment - Graphical symbols	EN ISO 9687	1995

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INTERNATIONAL  
STANDARD

**ISO**  
**6875**

Second edition  
1995-02-01

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**Dental patient chair**

*Fauteuil dentaire*

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Reference number  
ISO 6875:1995(E)

## ISO 6875:1995(E)

## 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.

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.

International Standard ISO 6875 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*.

This second edition cancels and replaces the first edition (ISO 6875:1984), of which it constitutes a technical revision.

Annex A forms an integral part of this International Standard.

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## Introduction

This International Standard takes priority over IEC 601-1 as specified in the individual clauses of this International Standard.

Only the specifications laid down in this International Standard are applicable.

This International Standard refers to IEC 601-1:1988, the basic standard on safety of medical electrical equipment, wherever relevant, by stating the respective clause numbers of IEC 601-1.

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# Dental patient chair

## 1 Scope

This International Standard applies to all dental patient chairs, regardless of their construction and also regardless of whether they are operated manually or electrically or by other means, or as a combination of these.

It specifies requirements, test methods, manufacturer's information, marking and packaging.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 8191-1:1987, *Furniture — Assessment of the ignitability of upholstered furniture — Part 1: Ignition source: smouldering cigarette.*

ISO 9687:1993, *Dental equipment — Graphical symbols.*

IEC 601-1:1988, *Medical electrical equipment — Part 1: General requirements for safety.*

## 3 Definitions

For the purposes of this International Standard, the definitions given in IEC 601-1 and the following definitions apply.

**3.1 dental equipment:** Furniture, machines, apparatus and accessories thereto, specially manufactured and/or presented for the use of authorized persons in

the practice of dentistry and/or its associated procedures.

### 3.2 dental patient chair:

(1) Item of dental equipment, provided with a range of movements, which is designed to support and position the patient for treatment. [ISO 1942-4:1989, definition 4.022]

(2) Permanently fixed or free-standing chair, adjustable in height and posture used for supporting a patient in the seated or supine position and having the means for positioning the head of the patient for dental treatment.

## 4 Classification

This classification applies to electrically operated dental patient chairs only.

### 4.1 According to type of protection against electric shock

Dental patient chairs are classified in accordance with IEC 601-1 as follows:

#### a) Class I equipment

Equipment in which protection against electric shock does not rely on basic insulation only, but which includes an additional safety precaution in such a way that means are provided for the connection of accessible conductive parts to the protective (earth) conductor in the fixed wiring of the installation in such a way that accessible conductive parts cannot become live in the event of a failure of the basic insulation.

#### b) Class II equipment

Equipment in which protection against electric shock does not rely on basic insulation only, but in which