



**SLOVENSKI STANDARD**  
**SIST EN ISO 7493:2006**  
**01-julij-2006**

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**Zobozdravstvo - Zobozdravniški delovni stol (ISO 7493:2006)**

Dentistry - Operator's stool (ISO 7493:2006)

Zahnheilkunde - Arbeitsstuhl (ISO 7493:2006)

Art dentaire - Siege d'opérateur (ISO 7493:2006)

**iTeh STANDARD PREVIEW**

**Ta slovenski standard je istoveten z: EN ISO 7493:2006**

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**ICS:**

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ICS 11.060.20

English Version

## Dentistry - Operator's stool (ISO 7493:2006)

Art dentaire - Siège d'opérateur (ISO 7493:2006)

Zahnheilkunde - Arbeitsstuhl (ISO 7493:2006)

This European Standard was approved by CEN on 13 April 2006.

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This European Standard exists 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## **Foreword**

This document (EN ISO 7493:2006) 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of an identical text or by endorsement, at the latest by November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

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

### **Endorsement notice**

The text of ISO 7493:2006 has been approved by CEN as EN ISO 7493:2006 without any modifications.

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# INTERNATIONAL STANDARD

# ISO 7493

Third edition  
2006-05-01

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## Dentistry — Operator's stool

*Art dentaire — Siège d'opérateur*

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## Foreword

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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 7493 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 6, *Dental equipment*.

This third edition cancels and replaces the second edition (ISO 7493:1997) and its Technical Corrigendum 1:1999, which have been technically revised. The following changes were made:

- a) The requirements for seat height and range of adjustment (see 4.2 in this edition) have been changed to reflect ISO 7493:1997 Technical Corrigendum 1.
- b) A requirement for sampling has been added (Clause 5).
- c) The test procedure for the stability of the stool has been revised (see 6.5). Figure 1 has been revised to reflect this change.
- d) The test procedure for cleaning and disinfection has been revised (see 6.8).
- e) References to ISO 6385 and ISO 11226 have been added to Annex A.

## Introduction

The objectives of this International Standard are to ensure that the design and functioning of the operator's stool in the dental office will be such as to enable the dental operator to perform his or her work effectively and safely, to minimize the muscular and skeletal stresses, particularly in shoulders and spine, that arise during the performance of the work, and to allow freedom of movement without undue muscular activity.

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# Dentistry — Operator's stool

## 1 Scope

This International Standard specifies requirements, recommendations and test methods for the operator's stool in the dental office as well as requirements for the manufacturer's instructions for use and for marking and packaging. It also covers recommendations to manufacturers on the design of operator's stools.

For purposes of this International Standard, the term "dental operator" includes dentists, dental assistants and dental hygienists.

## 2 Normative references

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

ISO 1942 <sup>1)</sup>, *Dentistry — Vocabulary*

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

ISO 9687, *Dental equipment — Graphical symbols*

ISO 21530, *Dentistry — Materials used for dental equipment surfaces — Determination of resistance to chemical disinfectants*

## 3 Terms and definitions

### 3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942 and the following apply.

#### 3.1.1

##### **operator's stool**

movable seat, adjustable in height, which satisfies the general requirements relevant to the performance of dentistry by a seated operator

#### 3.1.2

##### **anterio-posterior plane**

vertical plane which divides the operator's stool into left and right halves

#### 3.1.3

##### **seat height**

vertical distance between the floor and the point of intersection of the swivel axis with the plane of the loaded surface or the unloaded surface of the seat

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1) To be published. [Revision of ISO 1942 (all parts):1989.]