

SLOVENSKI STANDARD

SIST EN ISO 22374:2005

01-december-2005

Zobozdravstvo - Dentalni pripomočki - Električne priprave za umerjanje in vrste umerjanj (ISO 22374:2005)

Dentistry - Dental handpieces - Electrical-powered scalers and scaler tips (ISO 22374:2005)

Zahnheilkunde - Zahnärztliche Handstücke - Elektrisch betriebene Scaler und Spitzen (ISO 22374:2005)

Art dentaire - Pièces à main dentaires - Instruments pour détartrage électriques et parties actives des instruments pour détartrage (ISO 22374:2005)

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ICS:

11.060.25 Zobotehnični instrumenti Dental instruments

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 22374

September 2005

ICS 11.060.25

English Version

Dentistry - Dental handpieces - Electrical-powered scalers and
scaler tips (ISO 22374:2005)

Art dentaire - Pièces à main dentaires - Instruments pour
détartrage électriques et parties actives des instruments
pour détartrage (ISO 22374:2005)

Zahnheilkunde - Zahnärztliche Handstücke - Elektrisch
betriebene Scaler und Spitzen (ISO 22374:2005)

This European Standard was approved by CEN on 13 August 2005.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 22374:2005 (E)**Foreword**

This document (EN ISO 22374:2005) 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of an identical text or by endorsement, at the latest by March 2006, and conflicting national standards shall be withdrawn at the latest by March 2006.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, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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INTERNATIONAL STANDARD

ISO
22374

First edition
2005-09-01

Dentistry — Dental handpieces — Electrical-powered scalers and scaler tips

*Art dentaire — Pièces à main dentaires — Instruments pour détartrage
électriques et parties actives des instruments pour détartrage*

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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 22374 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

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Dentistry — Dental handpieces — Electrical-powered scalers and scaler tips

1 Scope

This International Standard specifies requirements and test methods for electrical-powered scalers and scaler tips, including piezo, ferrostrictive and magnetostrictive type ultrasonic scalers, operated as stand-alone items or connected to dental units, for use on patients. It also contains specifications on manufacturers' instructions, marking and packaging.

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, *Dentistry — Vocabulary*

ISO 7494-1, *Dentistry — Dental units — Part 1: General requirements and test methods*

ISO 9687, *Dental equipment — Graphical symbols*

ISO 15223, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied*

ISO 17664, *Sterilization of medical devices — Information to be provided by the manufacturer for the processing of resterilizable medical devices*

IEC 60601-1:1988, *Medical electrical equipment — Part 1: General requirements for safety*

IEC 61012, *Filters for the measurement of audible sound in the presence of ultrasound*

IEC 61672-1, *Electroacoustics — Sound level meters — Part 1: Specifications*

3 Terms and definitions

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

3.1

electrical powered scaler

instrument with a oscillating scaler tip used in dental treatment consisting of a combination of a dental unit, a handpiece, the tubing connecting the handpiece to the dental unit, and an interchangeable scaler tip

NOTE The system also includes a connection to a supply of cooling liquid.