



NSAI
Standards

Irish Standard
I.S. EN ISO 17937:2015

Dentistry - Osteotome (ISO 17937:2015)

I.S. EN ISO 17937:2015

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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National Foreword

I.S. EN ISO 17937:2015 is the adopted Irish version of the European Document EN ISO 17937:2015, Dentistry - Osteotome (ISO 17937:2015)

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EUROPEAN STANDARD

EN ISO 17937

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 11.060.01

English Version

Dentistry - Osteotome (ISO 17937:2015)

Médecine bucco-dentaire - Ostéotome (ISO
17937:2015)

Zahnheilkunde - Osteotome (ISO 17937:2015)

This European Standard was approved by CEN on 22 August 2015.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 17937:2015) 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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**INTERNATIONAL
STANDARD**

**ISO
17937**

First edition
2015-09-15

Dentistry — Osteotome

Médecine bucco-dentaire — Ostéotome



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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.

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The committee responsible for this document is ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

Introduction

Osteotomes are instruments generally used in orthopaedic surgery. However, in dentistry, and more specific, when preparing the implant site for dental implants, certain types of osteotomes are used for bone compaction, sinus floor elevation, and jaw bone cleaving. These types of osteotomes are addressed in this International Standard.

Dentistry — Osteotome

1 Scope

This International Standard specifies requirements and their test methods for osteotomes used in dentistry for bone compaction, internal sinus floor elevation, and jaw bone cleaving. It also specifies the requirements for their marking and labelling.

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 1942, *Dentistry — Vocabulary*

ISO 6507-1, *Metallic materials — Vickers hardness test — Part 1: Test method*

ISO 6508-1, *Metallic materials — Rockwell hardness test — Part 1: Test method*

ISO 13504, *Dentistry — General requirements for instruments and related accessories used in dental implant placement and treatment*

ISO 15087-1, *Dental elevators — Part 1: General requirements*

ISO 16443, *Dentistry — Vocabulary for dental implants systems and related procedure*

3 Terms, definitions, and symbols

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 13504, ISO 16443 and the following apply.

3.1.1

osteotome

handheld dental instrument designed for bone compaction, internal sinus floor elevation, or jaw bone cleaving

Note 1 to entry: Osteotomes consist of a working tip, a shank, and a handle.

3.1.2

condenser

bone-condenser

handheld dental instrument, with conical shaped *working end* (3.1.5), used for compacting the maxillary bone surrounding the implant socket to improve the primary stability of the implant

3.1.3

chisel

handheld dental instrument designed for cleaving the jaw bone into a buccal and lingual or buccal and palatal bone lamelle in order to insert an implant in between

Note 1 to entry: Chisels can also be used selectively to remove bone for procedures such as grafting and transplantation.

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