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## Dentistry - Dental elevators (ISO 15087:2025)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

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ICS 11.060.20

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EUROPEAN STANDARD

EN ISO 15087

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2025

ICS 11.060.20

Supersedes EN ISO 15087-2:2000, EN ISO 15087-3:2000, EN ISO 15087-4:2000, EN ISO 15087-5:2000, EN ISO 15087-6:2000, EN ISO 15087-1:2001

English Version

## Dentistry - Dental elevators (ISO 15087:2025)

Médecine bucco-dentaire - Élévateurs dentaires (ISO 15087:2025)

Zahnheilkunde - Dentale Wurzelheber (ISO 15087:2025)

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

## European foreword

This document (EN ISO 15087:2025) 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of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 15087-2:2000, EN ISO 15087-3:2000, EN ISO 15087-4:2000, EN ISO 15087-5:2000, EN ISO 15087-6:2000 and EN ISO 15087-1:2001.

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## Endorsement notice

The text of ISO 15087:2025 has been approved by CEN as EN ISO 15087:2025 without any modification.

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This first edition cancels and replaces ISO 15087-1, ISO 15087-2, ISO 15087-3, ISO 15087-4, ISO 15087-5, ISO 15087-6, which have been technically revised.

The main changes compared to the previous editions are as follows:

- ISO 15087-1, ISO 15087-2, ISO 15087-3, ISO 15087-4, ISO 15087-5 and ISO 15087-6 have been merged into one document;
- the document has been harmonized with ISO 4865-1;
- a requirement for reprocessing has been added to [5.7](#);
- ISO 15087-1:1999, Annexes A, B, C and D have been deleted.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Dentistry — Dental elevators

## 1 Scope

This document specifies general requirements and test methods for metallic dental elevators. In addition, it specifies dimensional requirements for specific types of dental elevators such as Warwick James elevators, Cryer elevators, Coupland elevators, Bein elevators and Flohr elevators.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2592, *Petroleum and related products — Determination of flash and fire points — Cleveland open cup method*

ISO 3104, *Petroleum products — Transparent and opaque liquids — Determination of kinematic viscosity and calculation of dynamic viscosity*

ISO 4865-1:2023, *Dentistry — General requirements of hand instruments — Part 1: Non-hinged hand instruments*

ISO 7153-1, *Surgical instruments — Materials — Part 1: Metals*

ISO 21850-1, *Dentistry — Materials for dental instruments — Part 1: Stainless steel*

ISO 17664-1, *Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices — Part 1: Critical and semi-critical medical devices*

## 3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

### 3.1

#### **dental elevator**

hand instrument designed for loosening or extracting teeth or tooth roots by displacement or lever action

[SOURCE: ISO 1942:2020, 3.4.3.4]

#### 3.1.1

##### **Warwick James elevator**

particular *dental elevator* (3.1) having straight, left or right working part used to loosen a tooth from the periodontal ligament and ease extraction

Note 1 to entry: See [Figure 1](#) and [Figure 2](#).