

Dentistry — Casting gold alloys

The European Standard EN ISO 1562:2004 has the status of a
British Standard

ICS 11.060.10

National foreword

This British Standard is the official English language version of EN ISO 1562:2004. It is identical with ISO 1562:2004. It supersedes BS EN ISO 1562:1995 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee CH/106, Dentistry, to Subcommittee CH/106/2, Prosthodontic materials, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN ISO title page, the EN ISO foreword, the ISO title page, pages ii to v, a blank page, pages 1 to 16, an inside back cover and a back cover.

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Amendments issued since publication

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English version

Dentistry - Casting gold alloys (ISO 1562:2004)

Art dentaire - Alliages d'or à couler (ISO 1562:2004)

Zahnheilkunde - Goldgusslegierungen (ISO 1562:2004)

This European Standard was approved by CEN on 8 April 2004.

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.

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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Foreword

This document (EN ISO 1562:2004) 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 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

This document supersedes EN ISO 1562:1995.

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.

Endorsement notice

The text of ISO 1562:2004 has been approved by CEN as EN ISO 1562:2004 without any modifications.

INTERNATIONAL STANDARD

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Dentistry — Casting gold alloys

Art dentaire — Alliages d'or à couler



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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Classification	2
5 Requirements	2
5.1 Chemical composition	2
5.2 Biocompatibility	2
5.3 Mechanical properties	2
5.4 Density	3
5.5 Corrosion resistance	3
5.6 Tarnish resistance	3
5.7 Electrochemical behaviour	3
5.8 Melting range	3
6 Sampling	3
7 Preparation of test specimens	3
7.1 General	3
7.2 Specimens for tensile testing	4
8 Testing	5
8.1 Visual inspection	5
8.2 Testing of proof strength of non-proportional extension and of percentage elongation after fracture	5
9 Information and instructions	5
9.1 Information	5
9.2 Processing instructions	6
9.3 Hazardous elements	6
10 Marking	6
10.1 Alloy	6
10.2 Package	6
Annex A (informative) Surface corrosion testing — Static immersion test	7
Annex B (informative) Tarnish testing — Sodium sulfide test	9
Annex C (informative) Electrochemical testing — Potentiodynamic test	11
Bibliography	16

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 1562 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 2, *Prosthetic materials*.

This fourth edition cancels and replaces the third edition (ISO 1562:1993), which has been technically revised, including the following changes:

- a) bench-cooling replaces softening and hardening heat treatments of test specimens;
- b) introduction of upper limits for beryllium and cadmium;
- c) introduction of electrochemical testing (potentiodynamic test).

Introduction

Dental casting alloys with noble metal content of at least 25 % (mass fraction) but less than 75 % (mass fraction) are addressed in ISO 8891.

Dental casting alloys intended solely as the substructure of a metal-ceramic dental restorative system and also dual-purpose casting gold alloys having at least 75 % (mass fraction) noble metal content are addressed in ISO 9693.