



BSI Standards Publication

Dentistry – Laser welding and filler materials (ISO 28319:2018)

National foreword

This British Standard is the UK implementation of EN ISO 28319:2018. It supersedes BS EN ISO 28319:2010, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/106/2, Prosthodontic materials.

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

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Amendments/corrigenda issued since publication

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English Version

Dentistry - Laser welding and filler materials (ISO 28319:2018)

Médecine bucco-dentaire - Soudage par laser
et matériaux d'apport (ISO 28319:2018)

Zahnheilkunde - Laserschweißen (ISO 28319:2018)

This European Standard was approved by CEN on 15 March 2018.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

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

European foreword

This document (EN ISO 28319:2018) 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of an identical text or by endorsement, at the latest by November 2018, and conflicting national standards shall be withdrawn at the latest by November 2018.

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 28319:2010.

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Endorsement notice

The text of ISO 28319:2018 has been approved by CEN as EN ISO 28319:2018 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 documents 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).

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

This second edition cancels and replaces the first edition ([ISO 28319:2010](http://www.iso.org/iso/28319:2010)), which has been technically revised.

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

- a) reference to the corrosion standard [ISO 10271:2011](http://www.iso.org/iso/10271:2011), for corrosion test methods and measurements has been added;
- b) a corrosion limit for the static corrosion test has been specified;
- c) [Annex A](#) has been revised in order to describe the laser welding process.