



NSAI
Standards

Irish Standard
I.S. EN ISO 19715:2017

Dentistry - Filling instrument with contra angle (ISO 19715:2017)

I.S. EN ISO 19715:2017

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National Foreword

I.S. EN ISO 19715:2017 is the adopted Irish version of the European Document EN ISO 19715:2017, Dentistry - Filling instrument with contra angle (ISO 19715:2017)

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EUROPEAN STANDARD

EN ISO 19715

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 11.060.20

English Version

Dentistry - Filling instrument with contra angle (ISO 19715:2017)

Médecine bucco-dentaire - Instrument d'obturation à double angulation (ISO 19715:2017)

Zahnheilkunde - Füllinstrumente mit Kontrawinkel (ISO 19715:2017)

This European Standard was approved by CEN on 1 March 2017.

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EN ISO 19715:2017 (E)

Contents	Page
European foreword.....	3

European foreword

This document (EN ISO 19715:2017) 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of an identical text or by endorsement, at the latest by November 2017 and conflicting national standards shall be withdrawn at the latest by November 2017.

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The text of ISO 19715:2017 has been approved by CEN as EN ISO 19715:2017 without any modification.

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INTERNATIONAL STANDARD

ISO 19715

First edition
2017-05

Dentistry — Filling instrument with contra angle

*Médecine bucco-dentaire — Instrument d'obturation à double
angulation*



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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	4
5.1 Dimensions.....	4
5.2 Dimensions of working end.....	4
5.3 Materials.....	5
5.4 Surface finish.....	5
5.5 Handle.....	5
5.6 Designation and combination of working ends.....	5
5.7 Resistance to reprocessing.....	5
6 Measurement and test methods	6
6.1 Dimensions.....	6
6.2 Hardness testing.....	6
6.3 Surface roughness inspection.....	6
6.4 Resistance to reprocessing test.....	6
7 Marking	6
Annex A (informative) Designation and combinations of working ends	7
Bibliography	9

ISO 19715:2017(E)

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 4, *Dental instruments*.

Introduction

In dentistry, corresponding to their intended use, filling instruments come into contact with the patient. Consequently, special attention is to be given in respect to (re)processing.

Consideration of ergonomic aspects is also required. This is supported by the specific contra angle design.

Dentistry — Filling instrument with contra angle

1 Scope

This document specifies requirements and test methods for a filling instrument with contra angle, which is used for the restoration of teeth via the application of polymer-based restorative materials and cements. It also specifies requirements for the design, dimensions and marking.

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

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

ISO 17664, *Sterilization of medical devices — Information to be provided by the manufacturer for the processing of resterilizable 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 terminological databases for use in standardization at the following addresses:

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

3.1

filling instrument

non-active hand-guided dental instrument for applying and modelling polymer-based restorative materials and cements during dental restoration procedures

3.2

contra angle

angle of the second bend of the shank that connects the handle to the *working end* (3.4) and that compensates the first bend so that the working end is in line with the axis of the shank

EXAMPLE See [Figure 1](#).

3.3

filling instrument with contra angle

filling instrument (3.1), in which the *working end* (3.4) and the handle axis are on one axis and the shank forms a *contra angle* (3.2)

EXAMPLE See [Figure 1](#).

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