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Irish Standard
I.S. EN ISO 19715:2017

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

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 19715

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)

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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.

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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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Foreword

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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

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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.

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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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