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Standards

Irish Standard  
I.S. EN ISO 3630-3:2015

# Dentistry - Endodontic instruments - Part 3: Compactors: pluggers and spreaders (ISO 3630-3:2015)

## I.S. EN ISO 3630-3:2015

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## National Foreword

I.S. EN ISO 3630-3:2015 is the adopted Irish version of the European Document EN ISO 3630-3:2015, Dentistry - Endodontic instruments - Part 3: Compactors: pluggers and spreaders (ISO 3630-3:2015)

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EUROPEAN STANDARD

**EN ISO 3630-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2015

ICS 11.060.20

Supersedes EN ISO 3630-3:1996

English Version

## Dentistry - Endodontic instruments - Part 3: Compactors: pluggers and spreaders (ISO 3630-3:2015)

Médecine bucco-dentaire - Instruments d'endodontie -  
Partie 3: Compacteurs axiaux et latéraux (ISO 3630-  
3:2015)

Zahnheilkunde - Endodontische Instrumente - Teil 3:  
Verdichter: Stopfer und Spreizer (ISO 3630-3:2015)

This European Standard was approved by CEN on 16 August 2015.

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**EN ISO 3630-3:2015 (E)**

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## **European foreword**

This document (EN ISO 3630-3:2015) 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of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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

This document supersedes EN ISO 3630-3:1996.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### **Endorsement notice**

The text of ISO 3630-3:2015 has been approved by CEN as EN ISO 3630-3:2015 without any modification.

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**INTERNATIONAL  
STANDARD**

**ISO  
3630-3**

Second edition  
2015-09-01

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**Dentistry — Endodontic  
instruments —**

**Part 3:  
Compactors: pluggers and spreaders**

*Médecine bucco-dentaire — Instruments d'endodontie —*

*Partie 3: Compacteurs axiaux et latéraux*



Reference number  
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**ISO 3630-3:2015(E)**



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## ISO 3630-3:2015(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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

This second edition cancels and replaces the first edition (ISO 3630-3:1994), which has been technically revised with the following changes:

- a) name and definition of “condenser” was changed to “compactor”;
- b) differentiation between finger instruments and hand instruments was made in [Clause 5](#) and [Clause 7](#);
- c) plugger sizes 015 and 020 were deleted from [Table 1](#);
- d) reprocessing requirements were added.

ISO 3630 consists of the following parts, under the general title *Dentistry — Endodontic instruments*:

- *Part 1: General requirements and test methods*
- *Part 2: Enlargers*
- *Part 3: Compactors: pluggers and spreaders*
- *Part 4: Auxiliary instruments*
- *Part 5: Shaping and cleaning instruments*

# Dentistry — Endodontic instruments —

## Part 3: Compactors: pluggers and spreaders

### 1 Scope

This part of ISO 3630 specifies requirements and test methods for endodontic instruments used as pluggers and spreaders, used to compact endodontic filling materials not cited in ISO 3630-1, ISO 3630-2, ISO 3630-4, or ISO 3630-5.

This part of ISO 3630 specifies requirements for size, marking, product designation, safety considerations, and their labelling and packaging.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 3630-1:2008, *Dentistry — Root-canal instruments — Part 1: General requirements and test methods*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1942, ISO 3630-1, and the following apply.

#### 3.1

##### **compactor**

instrument whose working part is cylindrical or tapered, and circular in cross-section which is designed to condense the filling material in a root canal in the axial and/or lateral direction

Note 1 to entry: See [Figure 3](#).

#### 3.2

##### **plugger**

finger or hand instrument whose working part is cylindrical or tapered, circular in cross-section and has a flat tip end which is designed to compact filling materials in a root canal mainly in an axial direction

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

#### 3.3

##### **spreader**

finger or hand instrument whose working part is cylindrical or tapered, circular in cross-section and has a pointed tip end which is designed to compact filling materials in a root canal mainly in a lateral direction

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

#### 3.4

##### **heat carrier instrument**

hand instrument used for transferring heat to a root canal instrument used for transferring heat to the filling material in a root canal

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