

---

---

## Dentistry — Dental tweezers

*Médecine bucco-dentaire — Précelles dentaires*



This document is a preview generated by EMS



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

|  |           |
|--|-----------|
| <b>Foreword</b>                                      | <b>iv</b> |
| <b>1 Scope</b>                                       | <b>1</b>  |
| <b>2 Normative references</b>                        | <b>1</b>  |
| <b>3 Terms and definitions</b>                       | <b>1</b>  |
| <b>4 Classification</b>                              | <b>2</b>  |
| <b>5 Requirements</b>                                | <b>2</b>  |
| 5.1 Design and dimensions                            | 2         |
| 5.1.1 Length   | 3         |
| 5.1.2 Working end                                    | 7         |
| 5.1.3 Handle   | 7         |
| 5.1.4 Guide pin                                      | 7         |
| 5.2 Material   | 7         |
| 5.3 Hardness (of working end)                        | 7         |
| 5.4 Surface finish                                   | 7         |
| 5.4.1 All surfaces                                   | 7         |
| 5.4.2 Satin finish                                   | 8         |
| 5.5 Closing and opening forces                       | 8         |
| 5.6 Resistance to reprocessing                       | 8         |
| <b>6 Measurement and test methods</b>                | <b>8</b>  |
| 6.1 Visual inspection                                | 8         |
| 6.2 Dimensions                                       | 8         |
| 6.3 Closing and opening forces                       | 8         |
| 6.4 Resistance to reprocessing                       | 9         |
| <b>7 Marking, labelling and instructions for use</b> | <b>9</b>  |
| 7.1 Marking on the dental tweezers                   | 9         |
| 7.2 Labelling on the package                         | 10        |
| 7.3 Instructions for use                             | 10        |
| <b>Bibliography</b>                                  | <b>11</b> |

## 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 of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

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

This first edition of ISO 15098 cancels and replaces ISO 15098-1:1999, ISO 15098-2:2000 and ISO 15098-3:2000.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Dentistry — Dental tweezers

## 1 Scope

This document specifies general requirements and test methods for metallic dental tweezers of the Meriam type and for College type.

This document is not applicable to anatomical tweezers and surgical tweezers.

## 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 1101, *Geometrical product specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

ISO 1942, *Dentistry — Vocabulary*

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

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

ISO 7153-1, *Surgical instruments — Materials — Part 1: Metals*

ISO 15223-1:2016, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements*

ISO 17664, *Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices*

ISO 21850-1, *Dentistry — Materials for dental instruments — Part 1: Stainless steel*

## 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:

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

### 3.1

#### **dental tweezers**

hand-guided dental instrument designed to grasp, hold or transfer items and/or material into and out of the oral cavity

Note 1 to entry: Dental tweezers are also known as cotton forceps and pliers and are different from anatomical tweezers.

### 3.2

#### **College type dental tweezers**

special design of dental tweezers with straight shank and angled or curved working end