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STANDARD

13397-1

First edition
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**Periodontal curettes, dental scalers and
excavators —**

Part 1:
General requirements

*Curettes parodontales, instruments dentaires pour détartrage et
excavateurs dentaires —*

Partie 1: Prescriptions générales



Reference number
ISO 13397-1:1995(E)

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 13397-1 was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 4, *Dental instruments*.

ISO 13397 consists of the following parts, under the general title *Periodontal curettes, dental scalers and excavators*:

- Part 1: *General requirements*
- Part 2: *Dental curettes — Gr-type*
- Part 3: *Dental scalers — H-type*
- Part 4: *Dental excavators*

It is anticipated that additional types of instruments will form the subject of future parts.

Annex A of this part of ISO 13397 is for information only.

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Periodontal cures, dental scalers and excavators —

Part 1: General requirements

1 Scope

This part of ISO 13397 specifies the general material and performance requirements for periodontal cures, dental scalers and excavators.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 13397. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 13397 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1942-3:1989, *Dental vocabulary — Part 3: Dental instruments*.

ISO 6507-2:1983, *Metallic materials — Hardness test — Vickers test — Part 2: HV 0,2 to less than HV 5*.

ISO 7153-1:1991, *Surgical instruments — Metallic materials — Part 1: Stainless steel*.

ISO 13402:1995, *Surgical and dental hand instruments — Determination of resistance against autoclaving, corrosion and thermal exposure*.

3 Definitions

For the purposes of this part of ISO 13397, the definitions given in ISO 1942-3 apply.

4 Classification

Periodontal cures, dental scalers and excavators specified in all parts of ISO 13397 are classified according to the Vickers hardness of the working end:

class 1: 600 HV1 - 700 HV1
class 2: 550 HV1 - 620 HV1

5 Material

5.1 Material of working end

The working end shall be made of martensitic stainless steel complying with ISO 7153-1 or other materials providing the instrument made therefrom meets the requirements of clause 6.

5.2 Material of handle

The material of the handle, selected at the discretion of the manufacturer, shall meet the requirements of clause 6.

6 Requirements

6.1 Surface finish

6.1.1 All surfaces

All surfaces shall be visibly free from pores, crevices, grinding marks, residual scales, acid, grease and residual grinding and polishing materials, when inspected using normal vision.