INTERNATIONAL STANDARD

ISO 13397-5

First edition
2015-09-01

Dentistry — Periodontal curettes, dental scalers and excavators —

Part 5: Jacquette scalers

Médecine bucco-dentaire — Curettes parodontales, instruments pour détartrage et excavateurs —

Partie 5: Détartrage de Jacquette

Reference number
ISO 13397-5:2015(E)

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Foreword

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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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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 equipment*.

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

— *Part 1: General requirements*

— *Part 2: Periodontal curettes of Gr-type*

— *Part 3: Dental scalers — H-type*

— *Part 4: Dental excavators — Discoid-type*

— *Part 5: Jacquette scalers*

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

Dentistry — Periodontal curettes, dental scalers and excavators —

Part 5:
Jacquette scalers

1 Scope

This part of ISO 13397 specifies the designs and dimensions for Jacquette scalers.

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 13397-1:1995, *Periodontal curettes, dental scalers and excavators — Part 1: General requirements*

3 Terms and definitions

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

3.1
Jacquette scaler
straight-bladed scaler with two cutting edges that end in a sharp point used for the removal of supragingival and/or interproximal deposits

3.2
shank
part of the scaler connecting the working end to the handle

3.3
functional shank
shank used to correctly position the working end

3.4
terminal shank
shank that extends between the blade and the first bend

4 Symbols

For the purposes of this part of ISO 13397, the following symbols apply.

b_1 blade width

b_2 blade thickness

b_3 blade length

l length to first bend

α blade angle

β offset angle

δ terminal shank angle

φ secondary shank angle

θ secondary shank offset angle

5 Design and dimensions

5.1 General

The general requirements for Jacquette scalers shall be as specified in ISO 13397-1.

Jacquette scalers shall have the designs shown in Figure 1 and the dimensions as given in Table 1. The points of measurement associated with the dimensions are listed in Table 2.

ISO 13397-1:1995, Annex A, provides more details of one method of measurement applicable to most types of dental hand instrument.

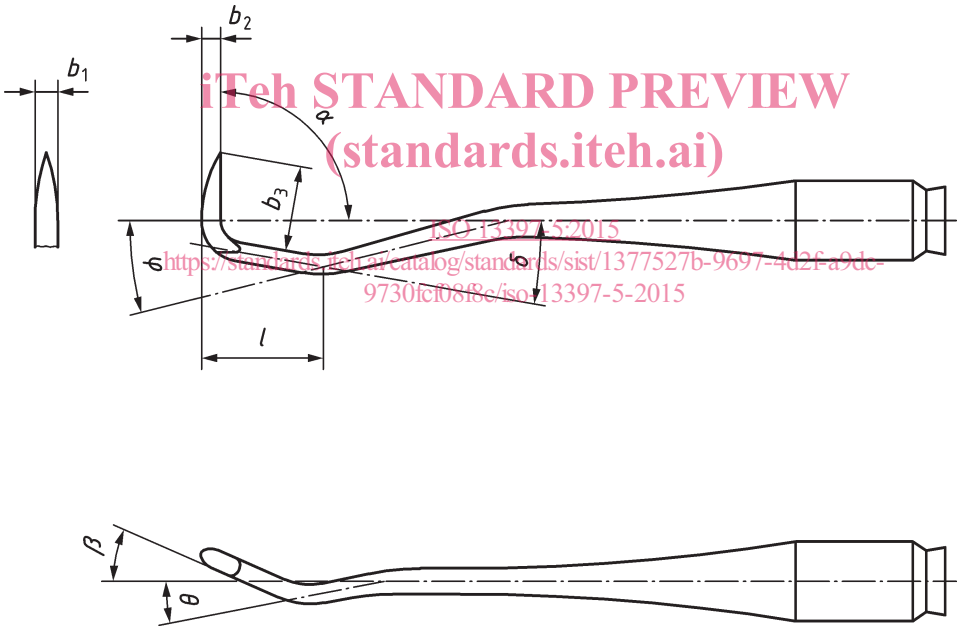

Figure 1 — Jacquette scaler

5.2 Overall length

The overall length of Jacquette scalers, irrespective of the design of the instrument, shall be ≤ 178 mm.

For single-side instrument, the length size shall be 150 mm.

Table 1 — Dimensions of Jacquette scalers

Dimensions in millimetres
Angular dimensions in degrees

Type	b_1	b_2	b_3	l	α	β	δ	φ	θ
mm	±0,1	±0,1	±0,3	±0,7	±5	±3	±5	±5	±5
J14	0,8	1,3	3,3	6,2	130	45	0	0	25
J15	0,8	1,3	3,3	6,2	130	45	0	0	25
J30	1,2	1,0	5,1	6,7	90	0	13	17	0
J31	1,2	1,0	5,1	7,1	108	30	0	0	25
J32	1,2	1,0	5,1	7,1	108	30	0	0	25
J33	0,9	0,8	4,6	4,4	90	0	13	17	0
J34	0,9	0,8	4,6	5,6	100	25	0	0	10
J35	0,9	0,8	4,6	5,6	100	25	0	0	10
J37	1,2	1,1	8,4	11,9	110	40	13	0	40
J38	1,2	1,1	8,4	11,9	110	40	13	0	40

Table 2 — Points of measurement for Jacquette scalers

Symbol	Dimension	Points of measurement
b_1	Blade width	Measured at widest point, unless otherwise defined by cross-section from datum
b_2	Blade thickness	Measured at widest point, unless otherwise defined by cross-section from datum
b_3	Blade length	Measured from tip of blade to shank, perpendicular to shank
l	Length to first bend	Measured from datum point to highest point on the first bend; parallel to centreline of instrument
α	Cutting angle	Angle of glaze surface to centreline of blade, shank, or instrument (whichever is appropriate)
β	Offset angle	Angle formed between centreline of terminal shank and centreline of instrument, when instrument viewed 90° to plan view
δ	Terminal shank angle	Angle between centreline of terminal shank and centreline of instrument
φ	Secondary shank angle	Angle between centreline of secondary shank and centreline of instrument
θ	Offset secondary shank angle	Angle formed between centreline of secondary shank and centreline of instrument, when instrument viewed 90° to plan view

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