



**International
Standard**

ISO 7554-3

**Surgical instruments — Terms,
measuring methods and test
methods —**

**Part 3:
Test methods**

*Instruments chirurgicaux — Termes, méthodes de mesurage et
méthodes d'essai —*

Partie 3: Méthodes d'essai

**First edition
2026-06**

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Published in Switzerland

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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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This document was prepared by Technical Committee ISO/TC 170, *Surgical instruments*.

A list of all parts in the ISO 7554 series can be found on the ISO website.

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.

Surgical instruments — Terms, measuring methods and test methods —

Part 3: Test methods

1 Scope

This document defines test methods for surgical standard instruments. This document does not cover instruments for use on the central nervous system and on the central cardiovascular system.

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 3738-1, *Hardmetals — Rockwell hardness test (scale A) — Part 1: Test method*

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 7554-1, *Surgical instruments — Terms, measuring methods and tests — Part 1: Vocabulary*¹⁾

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

ISO 20417, *Medical devices — Information to be supplied by the manufacturer*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 7554-1¹⁾ apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

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

4 Requirements and tests

4.1 General information

4.1.1 Form and type

The instruments shall not deform irreversibly, with the exception of flexible instruments, and shall not break during use for their intended purpose.

1) Under preparation. Stage at the time of publication: ISO/FDIS 7554-1.