



ISO 5832-1

Implants for surgery — Metallic materials —

**Part 1:
Wrought stainless steel**

*Implants chirurgicaux — Matériaux métalliques —
Partie 1: Acier inoxydable corroyé*

**Sixth edition
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This sixth edition cancels and replaces the fifth edition (ISO 5832-1:2016), which has been technically revised.

The main changes are as follows:

- the introduction has been updated;
- normative references have been updated;
- the requirement for silicon in [Table 1](#) has been changed to 0,75 max;
- the requirement for cobalt in [Table 1](#) has been added;
- requirements for mechanical properties in [Table 4](#) have been updated;
- this document has been harmonized with the ISO 5832 series.

A list of all parts in the ISO 5832 series can be found on the ISO website.

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While no known surgical implant material has ever been shown to cause absolutely no adverse reactions in the human body, long-term clinical experience with the material referred to in this document has shown that an acceptable level of biological response can be expected when the material is used in appropriate applications. However, this document covers the raw material and not finished medical devices, where the design and fabrication of the device can impact biological response.