



International

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Dentistry — Endodontic obturating materials

Médecine bucco-dentaire — Matériaux d'obturation endodontique

ISO 6877

**Fourth edition
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This document was prepared by Technical Committee ISO/TC 106, *Dentistry*, Subcommittee SC 1, *Filling and restorative materials*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 55, *Dentistry*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 6877:2021), which has been technically revised.

The main changes compared to the previous edition are as follows:

- elimination of metallic points (cones);
- inclusion of tolerances d_3 and d_{16} for standard, greater taper, and variable taper points;
- change of terminology from "numbering system" to "nominal size";
- modification of [Table 1](#);
- addition of [Table 2](#);
- modification of [Figure 1](#) and [Figure 2](#);
- inclusion of requirements to state the initial taper and its length for variable taper points;
- inclusion of requirements to state the taper and tolerances for auxiliary points;
- addition of a new normative reference;
- removal of inappropriate requirements for carrier-based obturation devices;
- modification of the carrier-based obturation device drawing.

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The following information should be considered when using this document: specific qualitative and quantitative test methods for demonstrating freedom from unacceptable biological risks are not included in this document, but it is recommended that, for the assessment of such biological risks, reference be made to ISO 7405 and ISO 10993-1. No performance limits are provided in this document for melt mass-flow rate, but they can be added in the future.