



SLOVENSKI STANDARD SIST EN ISO 5139:2023

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Zobozdravstvo - Polimerni kompozitni polizdelki, ki jih je mogoče obdelovati (ISO 5139:2023)

Dentistry - Polymer-based composite machinable blanks (ISO 5139:2023)

Zahnheilkunde - Maschinell bearbeitbare Rohlinge aus Verbundwerkstoffen auf Polymerbasis (ISO 5139:2023)

Médecine bucco-dentaire - Ébauches usinables en composite à base de polymères (ISO 5139:2023)

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English Version

Dentistry - Polymer-based composite machinable blanks (ISO 5139:2023)

Médecine bucco-dentaire - Ébauches usinables en composite à base de polymères (ISO 5139:2023)

Zahnheilkunde - Maschinell bearbeitbare Rohlinge aus Kompositen auf Polymerbasis (ISO 5139:2023)

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European foreword

This document (EN ISO 5139:2023) has been prepared by Technical Committee ISO/TC 106 "Dentistry" in collaboration with Technical Committee CEN/TC 55 "Dentistry" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2023, and conflicting national standards shall be withdrawn at the latest by November 2023.

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INTERNATIONAL
STANDARD

ISO
5139

First edition
2023-05

**Dentistry — Polymer-based composite
machinable blanks**

*Médecine bucco-dentaire — Ébauches usinables en composite à base
de polymères*

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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 document 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 106, *Dentistry*, Subcommittee SC 9, *Dental CAD/CAM systems*, 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).

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.

Introduction

Specific qualitative and quantitative test methods for demonstrating freedom from unacceptable biological hazards are not included in this document, but it is recommended that, for the assessment of possible biological hazards, reference should be made to ISO 10993-1 and ISO 7405.

Requirements for the materials properties of polymer-based composite machinable blanks are not included in this document, but these requirements will be included in a future edition of ISO 10477.

The test method to determine the bonding properties between blank and holding jig is not included in this document, but it is recommended to adopt the test procedure given in [Annex C](#) when measuring the bonding properties between blank and holding jig.

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