



SLOVENSKI STANDARD SIST EN ISO 52909:2024

01-junij-2024

Nadomešča:

SIST EN ISO/ASTM 52909:2023

Aditivna proizvodnja kovinskih izdelkov - Lastnosti končnih delov - Odvisnost mehanskih lastnosti kovinskih delov od načina izdelave glede na orientacijo in lokacijo (ISO/ASTM 52909:2024)

Additive manufacturing of metals - Finished part properties - Orientation and location dependence of mechanical properties for metal parts (ISO/ASTM 52909:2024)

Additive Fertigung von Metallen - Eigenschaften von Fertigteilen - Ausrichtungs- und Lageabhängigkeit der mechanischen Eigenschaften bei Metall-Bauteilen (ISO/ASTM 52909:2024)

Fabrication additive de métaux - Propriétés des pièces finies - Dépendance de l'orientation et de l'emplacement sur les propriétés mécaniques pour les pièces métalliques (ISO/ASTM 52909:2024)

Ta slovenski standard je istoveten z: EN ISO/ASTM 52909:2024

ICS:

25.030

3D-tiskanje

Additive manufacturing

SIST EN ISO 52909:2024

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NORME EUROPÉENNE
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EN ISO/ASTM 52909

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ICS 25.030

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English Version

Additive manufacturing of metals - Finished part
properties - Orientation and location dependence of
mechanical properties for metal parts (ISO/ASTM
52909:2024)

Fabrication additive de métaux - Propriétés des pièces
finies - Dépendance de l'orientation et de
l'emplacement sur les propriétés mécaniques pour les
pièces métalliques (ISO/ASTM 52909:2024)

Additive Fertigung von Metallen - Eigenschaften von
Fertigteilen - Ausrichtungs- und Lageabhängigkeit der
mechanischen Eigenschaften bei Metall-Bauteilen
(ISO/ASTM 52909:2024)

This European Standard was approved by CEN on 1 March 2024.

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO/ASTM 52909:2024) has been prepared by Technical Committee ISO/TC 261 "Additive manufacturing" in collaboration with Technical Committee CEN/TC 438 "Additive Manufacturing" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by September 2024, and conflicting national standards shall be withdrawn at the latest by September 2024.

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International Standard

ISO/ASTM 52909

Additive manufacturing of metals — Finished part properties — Orientation and location dependence of mechanical properties for metal parts

*Fabrication additive de métaux — Propriétés des pièces finies
— Dépendance de l'orientation et de l'emplacement sur les
propriétés mécaniques pour les pièces métalliques*

**Second edition
2024-02**

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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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The document was prepared by Technical Committee ISO/TC 261, *Additive manufacturing*, in cooperation with ASTM Committee F42, *Additive Manufacturing Technologies*, on the basis of a partnership agreement between ISO and ASTM International with the aim to create a common set of ISO/ASTM standards on Additive Manufacturing, and in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 438, *Additive manufacturing*, 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.

This second edition cancels and replaces the first edition (ISO/ASTM 52909:2022), of which it constitutes a minor revision.

The main changes are as follows:

- The third element of the title of the standard has been changed to “Orientation and location dependence of mechanical properties for metal parts”;
- The title for [Figure A.6 b](#)) has been corrected;
- Reference [\[12\]](#) in bibliography has been corrected.

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.