

STN	Jemná keramika (špeciálna keramika, špeciálna technická keramika). Stanovenie hrúbky povlakov metódou vrtania jamky (ISO 26423:2009).	STN EN ISO 26423 72 7548
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Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of coating thickness by crater-grinding method (ISO 26423:2009)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of coating thickness by crater-grinding method (ISO 26423:2009)

Céramiques techniques - Détermination de l'épaisseur de revêtement par la méthode de meulage de cratère (ISO 26423:2009)

Hochleistungskeramik - Bestimmung der Schichtdicke mit dem Kalottenschleifverfahren (ISO 26423:2009)

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European foreword

The text of ISO 26423:2009 has been prepared by Technical Committee ISO/TC 206 “Fine ceramics” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 26423:2016 by Technical Committee CEN/TC 184 “Advanced technical ceramics” the secretariat of which is held by DIN.

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Endorsement notice

The text of ISO 26423:2009 has been approved by CEN as EN ISO 26423:2016 without any modification.

**Fine ceramics (advanced ceramics,
advanced technical ceramics) —
Determination of coating thickness by
crater-grinding method**

*Céramiques techniques — Détermination de l'épaisseur de revêtement
par la méthode de meulage de cratère*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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ISO 26423 was prepared by Technical Committee ISO/TC 206, *Fine ceramics*.

Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of coating thickness by crater-grinding method

1 Scope

This International Standard specifies a method for the determination of the thickness of ceramic coatings by a crater-grinding method, which includes the grinding of a spherical cavity and subsequent microscopic examination of the crater.

Because of the uncertainty introduced into the measurement of crater dimensions, the test is not suitable for use where the surface roughness of the coating and/or substrate exceeds 20 % of the coating thickness.

NOTE An alternative method for measurement of thickness, using a contact probe profilometer, is given in ISO 18452.

2 Normative references

The following referenced documents are indispensable for the application 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 3290-1, *Rolling bearings — Balls — Part 1: Steel balls*

ISO/IEC 17025:2005, *General requirements for the competence of testing and calibration laboratories*

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