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Hardmetals - Compression test (ISO 4506:2018)

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/18

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English Version

Hardmetals - Compression test (ISO 4506:2018)

Métaux durs - Essai de compression (ISO 4506:2018)

Hartmetalle - Druckversuch (ISO 4506:2018)

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EN ISO 4506:2018 (E)

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European foreword

This document (EN ISO 4506:2018) has been prepared by Technical Committee ISO/TC 119 “Powder metallurgy”.

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of an identical text or by endorsement, at the latest by October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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Endorsement notice

The text of ISO 4506:2018 has been approved by CEN as EN ISO 4506:2018 without any modification.

INTERNATIONAL STANDARD

ISO 4506

Second edition
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Hardmetals — Compression test

Métaux durs — Essai de compression



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ISO 4506:2018(E)

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.

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 documents 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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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*, Subcommittee SC 4, *Sampling and testing methods for hardmetals*.

This second edition cancels and replaces the first edition (ISO 4506:1979), which has been technically revised with the following main changes:

- [Clause 2](#) and [Clause 3](#) added;
- [Clause 4](#): “hardmetal” changed to “cemented carbide or pcd (polycrystalline diamond) coated cemented carbide bearing blocks at room temperature”;
- [Clause 5](#): [Table 1](#) revised;
- [Clause 6](#): “hardmetal” changed to “cemented carbide”, hardness changed to “1 800 HV”;
- [8.2.2.2](#): NOTE changed to body text and “or using a laser extensometer” added to end of first sentence;
- [Clause 9](#): “at least five determinations” changed to “at least eight determinations”;
- [Clause 10](#), [Figure 1](#): “pcd” added;
- [Clause 10](#), [Figure 2](#): diameter “ $16 \pm 0,3$ ” changed to “ $12 \pm 0,3$ ”.

Hardmetals — Compression test

1 Scope

This document specifies a method of determining the ultimate strength and proof stress of cemented carbide under uniaxial compressive loads.

2 Normative references

There are no normative references in this document.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN