

<b>STN</b>	<b>Kovové prášky okrem práškov na spekané karbidy</b> <b>Stanovenie zmien rozmerov lisovaním a spekaním</b> <b>(ISO 4492: 2017)</b>	<b>STN</b> <b>EN ISO 4492</b>  42 0890
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Metallic powders, excluding powders for hardmetals - Determination of dimensional changes associated with compacting and sintering (ISO 4492:2017)

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. 04/18

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EUROPEAN STANDARD

EN ISO 4492

NORME EUROPÉENNE

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English Version

## Metallic powders, excluding powders for hardmetals - Determination of dimensional changes associated with compacting and sintering (ISO 4492:2017)

Poudres métalliques à l'exclusion des poudres pour  
métaux-durs - Détermination de changements  
dimensionnels liés à la compression et au frittage (ISO  
4492:2017)

Metallpulver, mit Ausnahme von Hartmetallpulvern -  
Ermittlung der Maßänderungen beim Pressen und  
Sintern (ISO 4492:2017)

This European Standard was approved by CEN on 2 November 2017.

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**EN ISO 4492:2017 (E)**

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## **European foreword**

This document (EN ISO 4492:2017) 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of an identical text or by endorsement, at the latest by May 2018, and conflicting national standards shall be withdrawn at the latest by May 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

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### **Endorsement notice**

The text of ISO 4492:2017 has been approved by CEN as EN ISO 4492:2017 without any modification.

# INTERNATIONAL STANDARD

# ISO 4492

Fourth edition  
2017-09

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## **Metallic powders, excluding powders for hardmetals — Determination of dimensional changes associated with compacting and sintering**

*Poudres métalliques à l'exclusion des poudres pour métaux-durs —  
Détermination de changements dimensionnels liés à la compression et  
au frittage*



Reference number  
ISO 4492:2017(E)

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## ISO 4492:2017(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](http://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](http://www.iso.org/iso/foreword.html)

This document was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*, Subcommittee SC 2, *Sampling and testing methods for powders (including powders for hardmetals)*.

This fourth edition cancels and replaces the third edition (ISO 4492:2013), of which it constitutes a minor revision to adjust tolerances and geometry in [Figures 1](#) and [2](#) and clarify the use of scale and micrometer.



# Metallic powders, excluding powders for hardmetals — Determination of dimensional changes associated with compacting and sintering

## 1 Scope

This document specifies a method by which the dimensional changes associated with compacting and sintering of metallic powders are compared with those of a reference powder when processed under similar conditions (see [Clause 4](#)).

The method applies to the determination of three types of dimensional changes involved with the processing of metallic powders, excluding powders for hardmetals.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2740, *Sintered metal materials, excluding hardmetals — Tensile test pieces*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**