



# SLOVENSKI STANDARD SIST EN ISO 3927:2017

01-november-2017

Nadomešča:  
SIST EN ISO 3927:2012

---

## Kovinski praški razen praškov za trdine - Ugotavljanje stisljivosti z enoosno kompresijo (ISO 3927:2017)

Metallic powders, excluding powders for hardmetals - Determination of compressibility in uniaxial compression (ISO 3927:2017)

Metallpulver, mit Ausnahme von Hartmetallpulvern - Bestimmung der Verdichtbarkeit bei einachsigen Pressen (ISO 3927:2017)

Poudres métalliques, à l'exclusion des poudres pour métaux-durs - Détermination de la compressibilité sous compression uniaxiale (ISO 3927:2017)

Ta slovenski standard je istoveten z: EN ISO 3927:2017

---

### ICS:

77.160      Metalurgija prahov      Powder metallurgy

**SIST EN ISO 3927:2017**      en,fr,de

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)

<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>

EUROPEAN STANDARD

EN ISO 3927

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

ICS 77.160

Supersedes EN ISO 3927:2011

English Version

## Metallic powders, excluding powders for hardmetals - Determination of compressibility in uniaxial compression (ISO 3927:2017)

Poudres métalliques, à l'exclusion des poudres pour métaux-durs - Détermination de la compressibilité sous compression uniaxiale (ISO 3927:2017)

Metallpulver, mit Ausnahme von Hartmetallpulvern - Bestimmung der Verdichtbarkeit bei einachsigen Pressen (ISO 3927:2017)

This European Standard was approved by CEN on 26 September 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

**iTeh STANDARD PREVIEW**

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)  
<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>

## European foreword

This document (EN ISO 3927:2017) 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 March 2018, and conflicting national standards shall be withdrawn at the latest by March 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.

This document supersedes EN ISO 3927:2011.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

**iTeh STANDARD PREVIEW**  
Endorsement notice  
(standards.iteh.ai)

The text of ISO 3927:2017 has been approved by CEN as EN ISO 3927:2017 without any modification.

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)

<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)

<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>

INTERNATIONAL  
STANDARD

ISO  
3927

Fifth edition  
2017-09

---

---

**Metallic powders, excluding powders  
for hardmetals — Determination  
of compressibility in uniaxial  
compression**

*Poudres métalliques, à l'exclusion des poudres pour métaux-durs —  
Détermination de la compressibilité sous compression uniaxiale*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)

<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>



Reference number  
ISO 3927:2017(E)

© ISO 2017

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 3927:2017](https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017)

<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
[copyright@iso.org](mailto:copyright@iso.org)  
[www.iso.org](http://www.iso.org)



# Contents

	Page
Foreword .....	iv
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Symbols</b> .....	<b>1</b>
<b>5 Principle</b> .....	<b>1</b>
<b>6 Apparatus</b> .....	<b>2</b>
<b>7 Sampling</b> .....	<b>5</b>
<b>8 Procedure</b> .....	<b>5</b>
8.1 Cleaning of the die and punches .....	5
8.2 Powder testing conditions .....	5
8.3 Lubrication .....	6
8.3.1 General .....	6
8.3.2 Die wall lubrication .....	6
8.3.3 Lubrication of powder .....	6
8.4 Compacting and ejection .....	6
8.5 Compacting pressures .....	6
<b>9 Expression of results</b> .....	<b>8</b>
<b>10 Precision</b> .....	<b>8</b>
<b>11 Test report</b> .....	<b>8</b>
<b>Bibliography</b> .....	<b>9</b>

**ITeH STANDARD PREVIEW**  
 (standards.iteh.ai)  
 SIST EN ISO 3927:2017  
<https://standards.iteh.ai/catalog/standards/sist/c14d0116-2498-4dde-8f61-05c8a0dedcc5/sist-en-iso-3927-2017>