

# SLOVENSKI STANDARD

## SIST EN ISO 13517:2020

01-julij-2020

Nadomešča:  
**SIST EN ISO 13517:2014**

---

**Kovinski praški - Ugotavljanje hitrosti pretoka z uporabo kalibriranega lija  
(merilnik pretoka po Gustavssonu) (ISO 13517:2020)**

Metallic powders - Determination of flow rate by means of a calibrated funnel  
(Gustavsson flowmeter) (ISO 13517:2020)

Metallpulver - Ermittlung der Durchflussrate mit Hilfe eines kalibrierten Trichters  
(Gustavsson flowmeter) (ISO 13517:2020)

Poudres métalliques - Détermination du temps d'écoulement au moyen d'un entonnoir calibré (cône d'écoulement de Gustavsson) (ISO 13517:2020)  
<https://standards.iteh.ai/catalog/standards/sist-0673151-0abc-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>

**Ta slovenski standard je istoveten z: EN ISO 13517:2020**

---

**ICS:**

77.160 Metalurgija prahov Powder metallurgy

**SIST EN ISO 13517:2020 en,fr,de**

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

SIST EN ISO 13517:2020

<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN ISO 13517**

May 2020

ICS 77.160

Supersedes EN ISO 13517:2013

English Version

**Metallic powders - Determination of flow rate by means of  
a calibrated funnel (Gustavsson flowmeter) (ISO  
13517:2020)**

Poudres métalliques - Détermination du temps  
d'écoulement au moyen d'un entonnoir calibré (cône  
d'écoulement de Gustavsson) (ISO 13517:2020)

Metallpulver - Ermittlung der Durchflussrate mit Hilfe  
eines kalibrierten Trichters (Gustavsson flowmeter)  
(ISO 13517:2020)

This European Standard was approved by CEN on 1 May 2020.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, 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: Rue de la Science 23, B-1040 Brussels**

Contents	Page
European foreword.....	3

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

SIST EN ISO 13517:2020  
<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>

## European foreword

This document (EN ISO 13517:2020) has been prepared by Technical Committee ISO/TC 119 "Powder metallurgy" in collaboration with CCMC.

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 November 2020, and conflicting national standards shall be withdrawn at the latest by November 2020.

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 13517:2013.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

The text of ISO 13517:2020 has been approved by CEN as EN ISO 13517:2020 without any modification.

[SIST EN ISO 13517:2020](#)  
<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>

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

SIST EN ISO 13517:2020

<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>

INTERNATIONAL  
STANDARD

ISO  
13517

Second edition  
2020-04

---

---

---

**Metallic powders — Determination  
of flow rate by means of a calibrated  
funnel (Gustavsson flowmeter)**

*Poudres métalliques — Détermination du temps d'écoulement au  
moyen d'un entonnoir calibré (cône d'écoulement de Gustavsson)*

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

[SIST EN ISO 13517:2020](#)

<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>



Reference number  
ISO 13517:2020(E)

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

SIST EN ISO 13517:2020

<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>



### COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

	Page
<b>Foreword</b>	<b>iv</b>
<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 Principle</b>	<b>1</b>
<b>5 Apparatus</b>	<b>1</b>
<b>6 Calibration of the funnel</b>	<b>3</b>
6.1 Calibration by the manufacturer of the funnel	3
6.2 Calibration by the user of the funnel	3
<b>7 Sampling</b>	<b>3</b>
<b>8 Procedure</b>	<b>4</b>
<b>9 Expression of results</b>	<b>4</b>
<b>10 Precision</b>	<b>4</b>
<b>11 Test report</b>	<b>5</b>
<b>Bibliography</b>	<b>6</b>

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

SIST EN ISO 13517:2020

<https://standards.iteh.ai/catalog/standards/sist/3b67518f-ba0e-4374-bb3e-9e52a0f050f6/sist-en-iso-13517-2020>