



**SLOVENSKI STANDARD**  
**SIST EN ISO 4490:2008**

**01-september-2008**

**BUXca Yý U.**  
**SIST EN ISO 4490:2004**

---

Metallpulver - Ermittlung der Durchflussdauer mit Hilfe eines kalibrierten Trichters (Hall flowmeter) (ISO 4490:2008)

Metallic powders - Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO 4490:2008)

Poudres métalliques - Détermination du temps d'écoulement au moyen d'un entonnoir calibré (appareil de Hall) (ISO 4490:2008)

Ta slovenski standard je istoveten z: **EN ISO 4490:2008**

**ICS:**

77.160      Metalurgija prahov      Powder metallurgy

**SIST EN ISO 4490:2008**      en

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

[SIST EN ISO 4490:2008](https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008)

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 4490**

June 2008

ICS 77.160

Supersedes EN ISO 4490:2001

English Version

## Metallic powders - Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO 4490:2008)

Poudres métalliques - Détermination du temps d'écoulement au moyen d'un entonnoir calibré (appareil de Hall) (ISO 4490:2008)

Metallpulver - Ermittlung der Durchflussdauer mit Hilfe eines kalibrierten Trichters (Hall flowmeter) (ISO 4490:2008)

This European Standard was approved by CEN on 9 June 2008.

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 Management Centre or to any CEN member.

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 Management Centre has the same status as the official versions.

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

[SIST EN ISO 4490:2008](https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008)

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

**Contents**

Page

Foreword.....3

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

SIST EN ISO 4490:2008

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>

## Foreword

This document (EN ISO 4490:2008) has been prepared by Technical Committee ISO/TC 119 "Powder metallurgy" in collaboration with Technical Committee CEN/SS M11 "Powder metallurgy", the secretariat of which is held by CMC.

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 December 2008, and conflicting national standards shall be withdrawn at the latest by December 2008.

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

This document supersedes EN ISO 4490:2001.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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

Endorsement notice

The text of ISO 4490:2008 has been approved by CEN as a EN ISO 4490:2008 without any modification.

[SIST EN ISO 4490:2008](https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008)

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>

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

SIST EN ISO 4490:2008

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>

# INTERNATIONAL STANDARD

**ISO**  
**4490**

Third edition  
2008-06-15

---

---

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

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

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

[SIST EN ISO 4490:2008](https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008)

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>



Reference number  
ISO 4490:2008(E)

© ISO 2008

## ISO 4490:2008(E)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

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

[SIST EN ISO 4490:2008](https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008)

<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



## 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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 4490 was prepared by Technical Committee ISO/TC 119, *Powder metallurgy*, Subcommittee SC 2, *Sampling and testing methods for powders (including powders for hardmetals)*.

This third edition cancels and replaces the second edition (ISO 4490:2001), which has been technically revised.

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

SIST EN ISO 4490:2008  
<https://standards.iteh.ai/catalog/standards/sist/3e643987-d88b-4f54-92af-894115d56dd7/sist-en-iso-4490-2008>