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

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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Powder Metallurgy Association (JPMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS Z 2502**:2012), which has been technically revised.

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

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 4490** : 2018, Edition 5, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies a method for determining the flow rate of metallic powders by means of a calibrated funnel (Hall flowmeter).

The method is applicable only to powders which flow freely through the specified test orifice.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 4490 : 2018 *Metallic powders — Determination of flow rate by means of a calibrated funnel (Hall flowmeter)* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS Z 2500 *Powder metallurgy — Vocabulary*

JIS Z 8402-2 *Accuracy (trueness and precision) of measurement methods and results — Part 2 : Basic method for the determination of repeatability and reproducibility of a standard measurement method*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 2500**, and the following apply.

3.1

flow rate