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

ICS 77.160

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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 2509**:2004), which has been technically revised.

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

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 4492:2017**, Edition 4, with some modifications of the technical contents.

The 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 by which the dimensional changes associated with compacting and sintering of test powders (metallic powders) are compared with those of a reference powder when processed under similar conditions. The method applies to the determination of three types of dimensional changes involved with the processing of metallic powders, excluding powders for hardmetals.

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

ISO 4492:2017 *Metallic powders, excluding powders for hardmetals—Determination of dimensional changes associated with compacting and sintering* (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 2508 Metallic powders, excluding powders for hardmetals—Determination of compressibility in uniaxial compression

JIS Z 2550 Sintered metal materials—Specifications

JIS Z 8401 Rounding of numbers

3 Terms and definitions

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