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Brinell hardness test — Test method

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

This translation has been made based on the original Japanese Industrial Standard established 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 The Japan Iron and Steel Federation (JISF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS Z 2243** : 1998 is replaced with this Standard.

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Brinell hardness test — Test method

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 6506-1** published in 2005 and the first edition of **ISO 6506-4** published in 2005. This Standard has partially modified the technical contents of **ISO 6506-1**, and integrated **ISO 6506-4** as Annex B without any modifications of the technical contents or the standard structure.

The portions underlined with dots in this Standard are the matters in which the contents of the original International Standard have been modified. A list of modifications with explanations is given in Annex JA.

1 Scope

This Standard specifies the Brinell hardness test method applied mainly for metallic materials and is applicable up to the limit of 650HBW.

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

ISO 6506-1:2005 *Metallic materials — Brinell hardness test — Part 1: Test method*

ISO 6506-4:2005 *Metallic materials — Brinell hardness test — Part 4: Table of hardness values*

(Overall evaluation: MOD)

The symbols which denote the degree of correspondence between **JIS** and the relevant International Standard are IDT (identical), MOD (modified), NEQ (not equivalent) as defined in **ISO/IEC Guide 21**.

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 B 7724 *Brinell hardness test — Verification of testing machines*

NOTE : Corresponding International Standard: **ISO/DIS 6506-2:1997** *Metallic materials — Brinell hardness test — Part 2: Verification of testing machines* (IDT)

ISO 4498-1 *Sintered metal materials, excluding hardmetals — Determination of apparent hardness — Part 1: Materials of essentially uniform section hardness*