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Metallic materials — Tensile testing — Method of test at room temperature

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry based on the provision of Article 14, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act in response to a proposal for revision of Japanese Industrial Standard with a draft being attached, submitted by The Japan Iron and Steel Federation (JISF), an accredited standards development organization. This edition replaces the previous edition (**JIS Z 2241** : 2011), which has been technically revised.

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Metallic materials — Tensile testing — Method of test at room temperature

Introduction

This Japanese Industrial Standard has been prepared based on ISO 6892-1 : 2019, Edition 3, with some modifications of the technical contents.

In this Standard, Annex JA is specified based on 10.3.2 of ISO 6892-1 with some modifications of the technical contents. Annex JB and Annex JC are unique to JIS and not given in the corresponding International Standard.

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 JD.

1 Scope

This Standard specifies the method for tensile testing of metallic materials and defines the mechanical properties thereof which can be measured at room temperature (between 10 °C and 35 °C).

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

ISO 6892-1 : 2019 *Metallic materials — Tensile testing — Part 1 : Method of test at room temperature* (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.

WARNING Persons carrying out tests based on this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices.

2 Normative references

Part or all of the provisions of the following standards, 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 7721 *Tension/compression testing machines — Calibration and verification of the force-measuring system*

NOTE Normative reference in the corresponding International Standard : ISO 7500-1 *Metallic materials — Calibration and verification of static uni-*

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