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**Metallic materials—Uniaxial creep
testing in tension—Method of test**

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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 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 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 2271**:1999 is replaced with this Standard.

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Metallic materials—Uniaxial creep testing in tension—Method of test

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 204** published in 2009 with some modifications of the technical contents. In the text of this Standard, the content on the interrupted creep test specified in the corresponding International Standard is described by NOTE for reference and that on the uninterrupted creep test is simply expressed as the “creep test”.

The portions given dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex JB.

1 Scope

This Standard specifies the creep test method and the measuring method for the properties of metallic materials, in particular the creep elongation and the creep rupture time at a specified temperature, obtained by the test.

The stress rupture test using the notched test piece is also covered by this Standard.

NOTE 1 In the stress rupture test, elongation is not generally recorded during the test, but only the time to rupture under a given load is recorded or the observation over the predetermined time under the given test force is carried out.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 204:2009 *Metallic materials—Uniaxial creep testing in tension—Method of test* (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 conducting the test by using 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

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) listed below shall be applied.