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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 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 2271** : 2019), which has been technically revised.

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

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 204 : 2023**, Edition 4, with some modifications of the technical contents.

In this Standard, those subclauses whose numbers are followed by capitalized Latin letters (A, B, C...) and Annex JA contain requirements not included 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 JB.

1 Scope

This Standard specifies the methods for:

- a) uninterrupted creep tests with continuous monitoring of extension (hereafter referred to as the creep test);
- b) interrupted creep tests with periodic measurement of elongation (hereafter referred to as the interrupted creep test);
- c) stress rupture tests where normally only the time to fracture is measured;
- d) a test to verify that a predetermined time can be exceeded under a given force, with the elongation or extension not necessarily being reported.

NOTE 1 A creep test can be continued until fracture has occurred or it can be stopped before fracture.

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

ISO 204 : 2023 *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 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.