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**Metallic materials — Sheet and strip —  
Determination of plastic strain ratio**

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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 2254:2008**), which has been technically revised.

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# Metallic materials — Sheet and strip — Determination of plastic strain ratio

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 10113:2020**, Edition 3, with some modifications of the technical contents.

Annex JA is 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 JB.

## 1 Scope

This Standard specifies a method for determining the plastic strain ratio of flat products (sheet and strip) made of metallic materials.

It also provides in Annex JA the details of the natural oscillation method that can be used for determining the plastic strain ratio of sheet or strip in coil of other metallic materials than stainless steel.

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

ISO 10113:2020 *Metallic materials — Sheet and strip — Determination of plastic strain ratio* (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

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*

JIS B 7741 *Calibration of extensometer systems used in uniaxial testing*

JIS G 0202 *Glossary of terms used in iron and steel (Testing)*

JIS Z 2241 *Metallic materials — Tensile testing — Method of test at room temperature*

JIS Z 8401 *Rounding of numbers*