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**Methods of tensile test for butt welded
joints**

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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 Welding Engineering Society (JWES) 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 3121:1993** is replaced with this Standard.

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Methods of tensile test for butt welded joints

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 4136** published in 2012 with some modifications of the technical contents. Furthermore, some **JIS** specification contents that are not given in the said corresponding International Standard are added.

The portions with continuous sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies the method of tensile test for butt welded joints of metallic materials.

This Standard is applicable to all forms of product with butt welded joints made by any welding process (including friction welding, friction stir welding, diffusion welding, etc.).

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

ISO 4136 : 2012 *Destructive tests on welds in metallic materials — Transverse tensile test* (MOD)

The symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 0405 *General tolerances — Part 1 : Tolerances for linear and angular dimensions without individual tolerance indications*

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

NOTE : Corresponding International Standard : **ISO 6892-1** *Metallic materials — Tensile testing — Part 1 : Method of test at room temperature* (MOD)

JIS Z 3001 (series) *Welding and allied processes — Vocabulary*

ISO 4063 *Welding and allied processes — Nomenclature of processes and reference numbers*