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**Methods of bend test for butt  
welded joint**

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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 3122:1990** is replaced with this Standard.

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# Methods of bend test for butt welded joint

## Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 5173** published in 2009 and Amendment 1 published in 2011 with some modifications of the technical contents. Furthermore, as **JIS**, some items specified in the corresponding International Standard are deleted.

The portions with 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 methods of bend test for butt welded joint of metallic materials and butt welded joint of cladding.

This Standard is applicable to all metallic materials in all forms of product with butt welded joint 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 5173:2009 *Destructive tests on welds in metallic materials—Bend tests* and Amendment 1:2011 (MOD)

The 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

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

JIS G 0601 *Testing methods for clad steels*

JIS Z 2248 *Metallic materials—Bend test*

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

## 3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in **JIS G 0202**, **JIS G 0601** and **JIS Z 3001** series, and the following terms and definitions apply.