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**Method of tests for lap seam welded  
joints**

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## Contents

	Page
1	Scope ..... 1
2	Normative references ..... 1
3	Terms and definitions ..... 1
4	Materials for testing and preparation of test specimens ..... 2
4.1	Materials ..... 2
4.2	Electrodes and welding conditions ..... 2
4.3	Leakage test piece ..... 2
4.4	Test specimens and their dimensions ..... 2
4.5	Number of test specimens ..... 5
5	Test methods ..... 6
5.1	Appearance test ..... 6
5.2	Leak test ..... 6
5.3	Mechanized peel test ..... 7
5.4	Chisel test ..... 8
5.5	Section test ..... 9
5.6	Nondestructive testing ..... 10
6	Record ..... 11

## Foreword

This Japanese Industrial Standard has been 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)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS Z 3141** : 1996), which has been technically revised.

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## Method of tests for lap seam welded joints

### 1 Scope

This Japanese Industrial Standard specifies the method of tests for the lap seam welded joints of metallic materials (extra-low carbon steels, low carbon steels, stainless steels, aluminium and aluminium alloys, and titanium and titanium alloys) of 0.3 mm to 3.2 mm in plate thickness. This Standard covers the appearance test, leak test, mechanized peel test, chisel test, section test and nondestructive testing. The steel products herein include the coated steel plates.

### 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 Z 2300 *Terms and definitions of nondestructive testing*

JIS Z 3001-1 *Welding and allied processes — Vocabulary — Part 1 : General*

JIS Z 3001-2 *Welding and allied processes — Vocabulary — Part 2 : Welding processes*

JIS Z 3001-6 *Welding and allied processes — Vocabulary — Part 6 : Resistance welding*

JIS Z 3139 *Methods of macro testing and Vickers hardness testing for section of resistance spot, projection and seam welds*

JIS Z 3400 *Quality requirements for fusion welding of metallic materials*

### 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in JIS Z 2300, JIS Z 3001-1, JIS Z 3001-2, JIS Z 3001-6 and JIS Z 3400 apply.

#### 3.1

##### test piece

welded products, or members having the shape/structure equivalent to that of the products

#### 3.2

##### test specimen

member manufactured by welding the materials worked into the specified shape/dimensions, or welded member cut from a test piece