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(JRJI)

**Standard qualification procedure for gas  
pressure welding technique of steel bars  
for concrete reinforcement**

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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 and the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Reinforcing Bar Joints Institute (JRJI) 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 3881:2009** is replaced with this Standard.

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# Standard qualification procedure for gas pressure welding technique of steel bars for concrete reinforcement

## 1 Scope

This Japanese Industrial Standard specifies the standard qualification procedure for gas pressure welding technique of steel bars for concrete reinforcement (hereafter referred to as “reinforcing bars”) specified in **JIS G 3112**, which are heated with oxygen/gas flame and jointed with mechanical pressure, using manual gas pressure welding, automatic gas pressure welding and gas pressure welding by hot trimming.

## 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 6801 *Manual blowpipes for welding, cutting and heating*

JIS G 3112 *Steel bars for concrete reinforcement*

JIS K 1101 *Oxygen*

JIS K 1902 *Dissolved acetylene*

JIS Z 2248 *Metallic materials — Bend test*

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 3120 *Method and acceptance criteria of test for gas pressure welded joint of steel bars for concrete reinforcement*

## 3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS Z 3001-1**, **JIS Z 3001-2**, **JIS Z 3120**, and the following apply.

### 3.1 test material

steel bar for concrete reinforcement, prepared for a given test

### 3.2 test piece

material subjected to gas pressure welding, or pressure weld subjected to hot trimming

### 3.3 bend test piece

pressure weld processed to the specified dimensions or that subjected to hot trimming