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

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by 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)/ Japan Testing Center for Construction Materials (JTCCM) 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 3120:2009** is replaced with this Standard.

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

1 Scope

This Japanese Industrial Standard specifies the method and the acceptance criteria of tests for gas pressure welded joints by manual gas pressure welding method, automatic gas pressure welding method and gas pressure welding by hot trimming in the case of using steel bars for concrete reinforcement (hereafter referred to as reinforcing bars) specified in **JIS G 3112** for the construction.

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 G 3112 *Steel bars for concrete reinforcement*

JIS G 3191 *Dimensions, mass and permissible variations of hot rolled steel bars and bar in coil*

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

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*

3 Terms and definitions

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

3.1 gas pressure welded joint

butt joint made by heating reinforcing bars with oxygen-acetylene gas flame and welding them with mechanical pressure

3.2 manual gas pressure welding

gas pressure welding by manual burner operation

3.3 automatic gas pressure welding

gas pressure welding that is intended to use gas pressure welding apparatus to control automatically heating, pressure application and burner operation

3.4 gas pressure welding by hot trimming