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**Standard qualification procedure for butt
welding technique of steel bars for con-
crete reinforcement**

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Foreword

This translation has been made based on the original Japanese Industrial Standard established 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 according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Reinforcing Bar Joints Institute (JRJI)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Standard qualification procedure for butt welding technique of steel bars for concrete reinforcement

1 Scope

This Japanese Industrial Standard specifies standard qualification procedure for butt welding technique of steel bars for concrete reinforcement through partly mechanized welding apparatus designed to use metal active gas (MAG) welding solid wire.

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 K 1105 *Argon*

JIS K 1106 *Liquid carbon dioxide*

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*

JIS Z 3001-4 *Welding and allied processes — Vocabulary — Part 4 : Imperfections in welding*

JIS Z 3253 *Shielding gases for fusion welding and thermal cutting*

JIS Z 3312 *Solid wires for MAG and MIG welding of mild steel, high strength steel and low temperature service steel*

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 3001-4** and the following apply.

3.1 test material

steel bar for concrete reinforcement, prepared for a given test

3.2 test piece

welded test material