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**Steel wires and strands for
prestressed concrete**

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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 Japan Wire Products Association (JWPA) 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 G 3536:2008** is replaced with this Standard.

However, **JIS G 3536:2008** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until February 19, 2015.

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Steel wires and strands for prestressed concrete

1 Scope

This Japanese Industrial Standard specifies steel wires (hereafter referred to as “wires”) and strands (hereafter referred to as “strands”) to be used for prestressed concrete.

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 0201 *Glossary of terms used in iron and steel (Heat treatment)*

JIS G 0404 *Steel and steel products—General technical delivery requirements*

JIS G 0415 *Steel and steel products—Inspection documents*

JIS G 3502 *Piano wire rods*

JIS G 3525 *Wire ropes*

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

JIS Z 2276 *Method of tensile stress relaxation test for metallic materials*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS G 0201**, and the following apply.

3.1 in-line patenting

patenting treatment carried out during the cooling process after the hot-rolling of wire rod

3.2 off-line patenting

patenting treatment carried out after the completion of cooling process after the hot-rolling of wire rod

3.3 original wire

steel wire constructing a wire or a strand

3.4 profile wire

wire having approximately round section to which uniform ribs or indentations are set continuously or at regular intervals