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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 Spring Manufacturers Association (JSMA)/Japanese Standards Association (JSA) 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 B 2711:2005** is replaced with this Standard.

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Springs—Shot peening

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 26910-1** published in 2009 with some modifications of the technical contents in order to harmonize with the actual situation in Japan.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JC.

1 Scope

This Standard specifies the shot peening applied to springs in order to improve their resistance force to fatigue, stress corrosion cracking, delayed fracture, etc. mainly by introducing compressive residual stresses into their surface.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 26910-1:2009 *Springs—Shot peening—Part 1: General procedures* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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 0021 *Geometrical product specifications (GPS)—Geometrical tolerancing—Tolerancing of form, orientation, location and run-out*

JIS B 0103 *Springs—Vocabulary*

JIS G 0202 *Glossary of terms used in iron and steel (Testing)*

JIS G 5121 *Corrosion-resistant cast steels for general applications*

JIS G 5904 *Testing method of cast shot and grit grain size*

JIS Z 0311 *Metallic blast-cleaning abrasives*

JIS Z 2244 *Vickers hardness test—Test method*

JIS Z 2245 *Rockwell hardness test—Test method*

JIS Z 8401 *Guide to the rounding of numbers*

NOTE : Corresponding International Standard: ISO 31-0 *Quantities and units—Part 0: General principles* (MOD)

JIS Z 8801-1 *Test sieves—Part 1: Test sieves of metal wire cloth*