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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 through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment 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.

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Springs—Symbols

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of **ISO 16249** published in 2013 with some modifications of the technical contents.

The portions given 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 JA.

1 Scope

This Standard specifies general principles for the creation of symbols indicating physical quantities, coefficients and parameters for metal springs (hereafter, referred to as "symbol for spring").

It also specifies the presentation of basic characters, subscripts and application symbols for spring with attention to the technical documentation exchanged between the parties concerned with delivery. The scope of metallic springs in this Standard is the helical compression springs, helical extension springs, helical torsion springs, flat springs and leaf springs.

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

ISO 16249:2013 *Springs—Symbols* (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 0103 *Springs—Vocabulary*

NOTE : Corresponding International Standard: ISO 26909 *Springs—Vocabulary* (MOD)

JIS Z 8000-1 *Quantities and units—Part 1: General*

NOTE : Corresponding International Standard: ISO 80000-1 *Quantities and units—Part 1: General* (MOD)

JIS Z 8000-4 *Quantities and units—Part 4: Mechanics*

NOTE : Corresponding International Standard: ISO 80000-4 *Quantities and units—Part 4: Mechanics* (IDT)

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