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Synchronous belt drives — Imperial pitch trapezoidal profile system — Belts and pulleys

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Foreword

This Japanese Industrial Standard has been 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 The Japan Belting Manufacturers Association (JBMA)/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 1856**:1993 is replaced with this Standard. Further, **JIS K 6372**:1995 and **JIS K 6373**:1995 have been withdrawn and replaced with this Standard.

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Synchronous belt drives — Imperial pitch trapezoidal profile system — Belts and pulleys

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 19347**:2015, Edition 1, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC.

1 Scope

This Standard provides specifications for the ring-shaped synchronous endless trapezoidal profile belts (hereafter referred to as belts) and machined pulleys (hereafter referred to as pulleys), among other pulleys. It is not applicable to automotive belts and pulleys.

It is recommended that this Standard be also applied to sintered pulleys and taper bushed pulleys.

NOTE 1 Guidance on proper and economical designing of belt drives incorporating synchronous belts is provided in Annex JA.

NOTE 2 The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 19347 : 2015 *Synchronous belt drives — Imperial pitch trapezoidal profile system — Belts and pulleys* (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 0102-1 *Vocabulary of gear terms — Part 1 : Definitions related to geometry*

JIS B 0601 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Terms, definitions and surface texture parameters*

JIS B 1757-4 *Evaluation of instruments for the measurement of individual gears — Part 4 : Pitch measurement using sphere artifacts*

JIS B 1859 *Synchronous belt drives — Vocabulary*

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