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**Synchronous belt drives — Belts and
pulleys**

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Foreword

This Japanese Industrial Standard has been 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 The Japan Belting Manufacturers Association (JBMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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Synchronous belt drives — Belts and pulleys

Introduction

This Japanese Industrial Standard has been prepared based on ISO 21342 : 2019, Edition 1 with some modifications of the technical contents for corresponding parts (profiles and dimensions) but adding some JIS specification contents (measuring method, marking etc.) that are not given in the said corresponding International Standard.

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

1 Scope

This Standard specifies the profiles/dimensions of synchronous belts (hereafter referred to as belts) and their related pulleys (hereafter referred to as pulleys) for use in automotive applications and general industrial equipment such as internal combustion engines of agricultural machinery.

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

ISO 21342 : 2019 *Synchronous belt drives — Automotive 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 0601 *Geometrical Product Specifications (GPS) — Surface texture : Profile method — Terms, definitions and surface texture parameters*

JIS B 1757-3 *Evaluation of instruments for the measurement of individual gears — Part 3 : Helix measurement using plane artifacts*

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*

JIS B 7502 *Micrometers*