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(JBMA/JSA)

**Synchronous belt drives — Test methods  
of physical properties**

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In the event of any doubts arising as to the contents,  
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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 — Test methods of physical properties

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 12046** : 2012, Edition 2, with some modifications of the technical contents to meet actual situations in Japan, but also adding some specification contents that are not given in the said corresponding International Standard.

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 JA.

## 1 Scope

This Standard specifies the test methods of physical properties of synchronous belts (hereafter referred to as belts) 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 12046 : 2012 *Synchronous belt drives — Automotive belts — Determination of physical properties* (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

Part or all of the provisions of the following standards, 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 1859 *Synchronous belt drives — Vocabulary*

JIS K 6253-3 *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 3 : Durometer method*

JIS K 6257 *Rubber, vulcanized or thermoplastic — Determination of heat ageing properties*

JIS K 6258 *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

**NOTE** Normative reference in the corresponding International Standard : ISO 1817 *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*