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JIS B 1867 : 2021

(JBMA/JSA)

**Belt drives — V-belts — Fatigue test**

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## Contents

		Page
Introduction	.....	1
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Test method	3
5.1	General	3
5.2	Test equipment	3
5.3	Preparation of test samples	6
5.4	Test conditions	6
5.5	Test procedure	7
6	Test report	9
Annex JA (informative)	Comparison table between JIS and corresponding International Standard	10

## 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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# Belt drives — V-belts — Fatigue test

## Introduction

This Japanese Industrial Standard has been prepared based on ISO 5287 : 2021, Edition 4, with some modifications of the technical contents in order to reflect the actual situations in Japan.

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 a fatigue test method of V-belts intended for driving auxiliaries (such as cooling fan, alternator, water pump, compressor and power steering pump) of mainly automobiles 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 5287 : 2021 *Belt drives — V-belts for the automotive industry — Fatigue test* (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 1860 *Belt drives — V-belts and V-ribbed belts, and corresponding grooved pulleys — Vocabulary*

JIS B 1866 *Belt drives — V-belts and corresponding V-pulley grooves — Shapes and dimensions*

NOTE Normative reference in the corresponding International Standard : ISO 2790 *Belt drives — V-belts for the automotive industry and corresponding pulleys — Dimensions*

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in JIS B 1860 and JIS B 1866 apply.