



JAPANESE
INDUSTRIAL
STANDARD

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JIS B 1863 : 2020

(JBMA/JSA)

**Belt drive — V-ribbed belts — Fatigue
test**

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In the event of any doubts arising as to the contents,
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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	2
6 Test report	8
Annex JA (informative) Comparison table between JIS and corresponding International Standard	9

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 drive — V-ribbed belts — Fatigue test

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 11749** : 2014, Edition 2, with some technical and structural modifications made through reviewing the test conditions in light of unique situation 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 for V-ribbed belts specified in **JIS B 1862** which are used predominantly for automobiles and general industrial equipment such as internal combustion engines for agricultural machinery.

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

ISO 11749 : 2014 *Belt drive — V-ribbed 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

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 1860 *Belt drives — V-belts and V-ribbed belts, and corresponding grooved pulleys — Vocabulary*

JIS B 1862 *Belt drives — V-ribbed pulleys and belts — PK profile : Dimensions*

NOTE Corresponding International Standard : ISO 9981 *Belt drives — Pulleys and V-ribbed belts for the automotive industry — PK profile : Dimensions*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 1860** and **JIS B 1862**, and the following apply.