

ICS 21.220.10

CCS G42



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14829-2018

Replacing GB/T 14829-2007

Variable-speed V-belt for agricultural machinery

农业机械用变速V带

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 14829-2007 "Variable-speed V-belts for agricultural machinery." Compared with GB/T 14829-2007, in addition to editorially The main technical changes outside the modification are as follows:

- Modify the requirements for adhesive strength of variable speed V-belt wire ropes for agricultural machinery (see 5.3, 5.3,.2007 edition);
- Modify the fatigue performance requirements of variable speed V-belts for agricultural machinery (see 5.4,.2007 version 5.4);
- Added reference force values for the reference force elongation rate of agricultural machinery used in HG, HH, HN and HO models (see 6.3, 2007 version 7.3). This standard is proposed by China Petroleum and Chemical Industry Federation. This standard is under the jurisdiction of the National Technical Committee on Pulleys and Belts Standardization Technical Committee (SAC/TC428/SC3). This standard was drafted by: Wuxi Zhonghui Rubber Technology Co., Ltd., Maanshan Ruisheng Industry & Trade Co., Ltd., Jiamusi Whale Rubber & Plastics Co., Ltd. Co., Ltd., Zhejiang Three-dimensional Rubber Products Co., Ltd., Zhejiang Zijingang Adhesive Tape Co., Ltd., Zhejiang Kaiou Transmission Belt Co., Ltd., Qingdao City Product Quality Inspection Technology Institute. The main drafters of this standard. Zhu Shusheng, Li Fang, Liu Zhigang, Wang Honggang, Liu Youliang, Pang Changzhi, Xie Deli, Hao Yongliang. The previous versions of the standards replaced by this standard are.
- GB/T 14829-1993, GB/T 14829-2007. Variable speed V belt for agricultural machinery

1 Scope

GB/T 14829-2018 is the Chinese national standard on variable-speed v-belt for agricultural machinery, in the field of mechanical systems and components. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 14 May 2018 by the State Administration for Market

Regulation; Standardization Administration of China, and has been in force since 1 December 2018. Classification: ICS 21.220.10, CCS G42. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the structure, type and marking, requirements, inspection rules, and tests of the variable-speed V-belts for agricultural machinery (hereinafter referred to as "V-belts"). Methods and signs, labels, packaging, storage and transportation. This standard applies to agricultural machinery (especially harvesting, threshing machinery) with a variable speed V belt.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article. For undated references, the latest version (including all amendments) applies to this document. Test method for tensile strength and elongation of

GB/T 3686 belt V belt and V-ribbed belt Test method for bonding strength of GB/T 3688 V tapes

GB/T 10821 V-belts and ribbed belt sizes for agricultural machinery

GB/T 12735 V-belt fatigue test for agricultural machinery with belt drive Standard Test Method for Change in Center-to-Center Distance of

GB/T 13490 V Band Uniformity Measurement

3 Structure

3.1 V band is divided into two types of hemmed-edge V-belt and cut-edge V-belt according to the structure; among them, the trimming-type V-belt is divided into ordinary trimming V-belts and toothed trimmings. There are three kinds of V tapes and bottom tapes. The

3.2 V band consists of a wrapper, a top cloth, a top rubber, a cushion rubber, a tensile body, a primer, a bottom rubber cloth, and a backing cloth (see FIG. 1).

a) edging V-belt

b) ordinary trimming V-belt

c) Tooth trimming V-belt

d) Under-grinding cloth trimming V-belt Explanation. 1

---package cloth; 2

- top cloth; 3
- buffer rubber; 5
- tensile body; 6
- Base cloth; 8
- bottom plastic folder cloth. Figure 1 V band structure

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