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

GB/T 10821-2008

Replacing GB/T 10821-1993

V-belt and V-ribbed belt for agricultural machines -- Dimensions

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(English Translation)

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Foreword

This standard corresponds to ISO 5289:1992 "Agricultural Machinery endless hexagonal belt and pulley wheel groove corresponding cross-section" and ISO 3410. 1989 "Agricultural machinery and the corresponding endless transmission V belt pulley wheel groove cross-section" of this standard and ISO 5289:1992 and ISO 3410. 1989 is consistent the degree of non-equivalent.

This standard replaces GB/T 10821-1993 "agricultural machinery V-belt size." this standard and GB/T 10821-1993 compared to the main changes are as follows.

- Increased introduction and reference standards (see the Preface and reference standards);
- Increasing the scope of agricultural machinery with a narrow V-belts and agricultural machinery ribbed belt size Size (1993 Edition Chapter 1 edition Chapter 1);
- Omitted agricultural machinery V-belt cross-sectional size, the length of the reference series, pulley measuring parameters and measurement conditions, a direct reference to GB/T 11544 and HG/T 3745, (1993 edition of 5.1,5.2,5.3,5.4,6);
- Increasing the agricultural machinery with a narrow V belt size requirements (see Chapter 5);
- Increased agricultural machinery ribbed belt size requirements (see Chapter 7);
- According to the American Society of Agricultural Engineers Standard ASAES211.5JUL98 "agricultural machinery and ribbed V-belt drive," agriculture Machinery and ribbed V belt size parameter to increase effective system of Appendix A (see Appendix A).

Appendix A of this standard is an informative annex.

The standard proposed by China Petroleum and Chemical Industry Association.

This standard tape by the chemical industry Standardization Technical focal point.

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1 Scope

This standard specifies the use of agricultural machinery V-belt, narrow V-belt, V-belt transmission (hereinafter referred to as "V-belt"), hexagonal and ribbed belt (hereinafter Referred to as "belt") main dimensions and methods of measurement.

This standard applies to agricultural machinery in general drive ordinary V belt and narrow V-belt, double-sided hexagonal drive belts, V-belts and multi-variable transmission Wedge belt drive V-ribbed belt.

If according to the American Society of Agricultural Engineers Standard ASAES211.5JUL98 manufacture of agricultural machinery and ribbed V belt, its size refer to Appendix A for production.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 11544 ordinary V belt and narrow V Size (GB/T 11544-1997, neq ISO 4184:1992) Uniformity Test Method for Measurement center distance variation of GB/T 13490 V belt band (GB/T 13490-2006, ISO 9608:1994, IDT) GB/T 16588 industrial ribbed belt and pulley size (PH, PJ, PK, PL and PM type) (GB/T 16588-1996, eqv ISO 9982:1991) HG/T 2819 joined narrow V belt HG/T 3745 Banded V-belt ISO 4183 Belt - belt and narrow V - grooved pulley (datum width) ISO 5291 Belt drives - V-belt joint group with sheave grooves sectional AJ, BJ, CJ, DJ (effective system)

3 Common Agricultural machinery Vp Size

Sectional size, V-belt can be divided into HA, HB, HC, HD and other models, the group V-belt in front of the model plus the number of joint group (with a number of Arab Word indicates), dimensional accuracy V-belt is checked by measuring the V belt measuring machine wheel groove. Its cross-sectional size is equivalent to GB/T 11544 the A, B, C, D four models and HG/T in 3745 AJ, BJ, CJ, DJ four models.

4 Agricultural machinery Hexagon Size

Cross-section 4.1

Theory is a hexagonal cross section with. The hexagon is composed of two identical, overlap each other in a large isosceles trapezoid bottom thereof. because this neutral zone face (actually hexagonal lateral diagonal coincides) with the total height should be located at half. According to cross-sectional dimension, with it can be divided into HAA, HBB, HCC, HDD models. Sectional dimensions of the various models of the belt shown in Table 1, Figure 1.

Sectional view of a band