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

GB 12734-2003

Replacing GB/T 12734-2003

**Synchronous belt drives -- Automotive synchronous belts
(English Translation)**

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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 12734-2003 "car timing belt." Compared with GB 12734-2003, except for editorial changes outside the main technology Differences are as follows.

- Modify the normative references (see 2003 edition Chapter 2, see Chapter 2);
- Increased RU and YU models of automotive timing belt and provides the appropriate technical parameters (see Chapter 3, 6.5, Figure 14 and Table 13);
- Increased structure and materials (see Chapter 5);
- Modify the delivery status of the dorsal hardness value (see 2003 edition of Table 12, see Table 14);
- Modify the oil hardness of the dorsal (see Table 12 of 2003, see Table 14);
- Modify the tooth shear strength value (see Table 12 in 2003, see Table 14);
- Increased the peak value and trough value of adhesive strength (see Table 14);
- Modify the inspection rules (see 2003 versions 10.1 and 10.2, see 11.1 and 11.2).

This standard uses redrafted Law Amendment using ISO 9010:1997 "belt drive car band." this standard compared with the ISO 9010:1997 more structural adjustment, Appendix A lists the standards and ISO 9010:1997 Chapter number control list.

This standard compared with ISO 9010:1997 there are technical differences, the provisions of these differences have been passed in the outer margin of the page margin Set the vertical single (I) were marked in Appendix B is given a list of the corresponding technical differences and their causes.

This standard made the following editorial changes.

- Modify the standard name.

This standard is proposed by the China Machinery Industry Federation.

This standard by the National Belt and with Standardization Technical Committee (SAC/TC428) centralized.

This standard was drafted unit. Belt Belt Co., Ltd. Wuxi City, Machinery Science and Technology Research Institute, Central Plains Productivity Promotion Center, Ningbo Yujiang Special Adhesive Tape Co., Ltd., Ningbo Fengmao Far East Rubber Co., Ltd., Hubei Maoxin Special Tape Co., Ltd., Ningbo Jaguar Group Co., Ltd., Zhejiang Samsung Tape Co., Ltd., Zhejiang Sante Technology Co., Ltd., Ningbo Kai Chi Tape Co., Ltd., Sichuan Deen Seiko Co., Ltd.

Company, Jiangsu Pearl Experimental Machinery Co., Ltd.

1 Scope

This standard specifies the car timing belt 1) (hereinafter referred to as belt) model, marking, structure and material, size, length measurement line, the lateral swing Measurement, technical requirements, test methods, inspection rules and signs, packaging and storage.

This standard applies to automotive belt drive 2).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 10414 timing belt drive car timing pulley (GB/T 10414-2017, ISO 9011:1997, MOD)
GB/T 10716 timing belt drive car timing belt physical performance test method (GB/T 10716-2012, ISO 12046.) 2012, MOD) Test method for fatigue of GB/T 18183 automotive timing belt

3 Models

There are ten car timing belt models, as follows.

Trapezoidal-ZA type, ZB type Curve tooth-H series. ZH type, YH type R series. ZR type, YR type S series. ZS type, YS type U series .RU type, YU type

1) Car timing belt is also called car timing belt.

2) car timing belt drive also known as car timing belt drive.

4 Mark

Car timing belt mark by the number of teeth, models and bandwidth, with a set of numbers and letters said.

--- the first group of figures that the number of teeth;

--- letters that model;

--- Group 2 figures show the bandwidth, mm.

Example.

Bandwidth, mm

model

Number of teeth