

ICS 21.220.10

CCS J 18



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

GB/T 37205-2018

**Synchronous belt drives -- Pulleys with AT trapezoidal profile
system**

Issued on: December 28, 2018

Implemented on: November 1, 2019

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the ISO 17396.2014 "synchronous belt drive meter pitch, T and AT trapezoidal tooth belts and

Belt wheel.

This standard has more structural adjustments than ISO 17396.2014. This standard and ISO 17396.2014 are listed in Appendix A.

The chapter number is compared to the list.

There are technical differences between this standard and ISO 17396.2014. The terms involved in these differences have been passed on the outer margins of the margins.

The vertical single line (|) is marked, and a list of the corresponding technical differences and their causes is given in Appendix B.

This standard has made the following editorial changes.

--- Revised the standard name to coordinate with our existing standards.

This standard was proposed by the China Machinery Industry Federation.

This standard is under the jurisdiction of the National Technical Committee for Pulley and Belt Standardization (SAC/TC428).

This standard was drafted. Ningbo Kaichi Tape Co., Ltd., Sichuan Deen Precision Technology Co., Ltd., Ningbo Fengmao Far East Rubber

Limited company, Mechanical Science Research Institute Group Co., Ltd., China Machine

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1 Scope

This standard specifies the type and marking of the AT type trapezoidal toothed belt pulley (hereinafter referred to as the pulley), the wheel groove size, the pulley size, and the pulley.

What are the tolerances and pulley material, surface roughness and balance.

This standard applies to general industrial timing belt drives.

2 Normative references

The following documents are indispensable for the application of this document. 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.

Material, surface roughness and balance of GB/T 11357 pulley (GB/T 11357-2008, ISO 254.1998, MOD)

3.1 Model

The pulleys are divided into four types. AT3, AT5, AT10 and AT20.

3.2 mark

The wheel mark consists of the wheel code P, the number of slots, the model number and the wheel width code.

Wheel code

Number of slots

model

Wheel width code

Example. Number of slots 30, model AT20, wheel width code 50. P30-AT20-50

4.1 Cogging size

See Figure 1 and Table 1.