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**INDUSTRY STANDARD OF THE  
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**Tobacco machinery. Synchronous pulley and retainer ring  
(English Translation)**

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## Table of Contents

Preface

1 Scope

2 Normative reference document

3 Terms and definitions

4 Knots synchronous pulley

5 Special pitch timing pulley

6 Large torque synchronous pulley

7 Circular tooth timing pulley

8 Timing belt ring

Appendix A (Normative Appendix) Weekly Synchronous Pulley Type and Pattern Marking

Appendix B (normative appendix) Commonly used timing belt pulley Outer diameter and limit deviation, initial diameter and deviation, retaining ring mounting dimensions

Appendix C (Normative appendix) Special pitch system Timing type and pattern label

Appendix D (normative) Commonly used special pitch system Synchronous pulley  
Outside diameter and limit deviation, initial diameter and deviation,

Size

Appendix E (normative) High torque synchronous pulley type and pattern label

Appendix F (normative) Commonly used high torque synchronous pulley Outer diameter and limit deviation, the initial diameter and deviation of the car, the ring installation size

Appendix G (Normative Appendix) Circular Tooth Timing Type and Pattern Marking

Appendix H (Normative Appendix) Wheeled Ring Size

## Foreword

Appendix A, Appendix B, Appendix C, Appendix E, Appendix F, Appendix G, Appendix H of this standard are normative.

This standard is proposed by the State Tobacco Monopoly Bureau.

This standard is under the jurisdiction of the National Tobacco Standardization Technical Committee (YAC) Subcommittee (SAC/TC144/SC3).

The drafting unit. China Tobacco Machinery Technology Center Co., Ltd., Kunming Ship Equipment Group Co., Ltd.

## 1 Scope

This standard specifies the terms and definitions of the weekly control, special pitch system, high torque, circular tooth timing pulleys, the type and the label on the pattern, Material, tooth shape, size and limit deviation, geometrical tolerances.

This standard is applicable to the design and manufacture of synchronous pulley for tobacco machinery products. Other products in the design and manufacture of synchronous pulleys can refer to use.

## 2 Normative reference documents

The terms of the following documents are hereby incorporated by reference into this standard. Whichever is the date of the reference file, which is followed by all (Excluding corrigenda) or revisions do not apply to this standard, however, encourage the parties to reach an agreement under this standard Whether you can use the latest version of these files. For undated references, the latest edition applies to this standard.

Cross recessed countersunk head screws - Part 1. Steel grade 4.8 GB/T 819.1-2000  
Specification for belt drive - Part 3. Terminology for timing belt transmission GB/T Timing belt drive trapezoidal tooth pulley GB/T 11361-2008 Circular pulley timing belt drive pulley JB/T 7512.2-1994

## 3 Terms and definitions

GB/T 6931.3-2008 The terms and definitions established apply to this standard.

4-week synchronous timing pulley

### 4.1 Type and pattern label

#### 4.1.1

According to the actual needs of the tobacco industry, the design should give priority to the use of GB/T 11361-2008 provisions of the XL, L, H three Pulley

#### 4.1.2

Weekly Synchronous Pulleys Recommended types and patterns are shown in Appendix A. 1, Figure A. 2. Figure A is generally used. 1 of the

### 4.2 Materials

Pulley material is generally recommended to use cast iron HT200 or 45 steel, for the requirements of a special high wheel can also be used 40CrNiMo, 40CrNiMoA or 42CrMo, when the use of aluminum alloy material, the choice of 2A12.

#### **4.3.1 Teeth**

Weekly timing pulley is generally made of involute toothed pulley tool, the tooth size depends on the size of its processing tool. Processing Involute tooth profile tool - the basic size and limit deviation of the rack and hobbing cutter are carried out according to GB/T 11361-2008 Regulations.

#### **4.3.2 Pitch deviation**

The pitch deviation between the adjacent teeth of the pulley and the pitch deviation within the 90 ° arc are shown in Table 1.