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

GB/T 13575.1-2022

Replacing GB/T 13575.1-2008

**Classical and narrow V-belt drives Part 1: System based on
datum width**

普通和窄V带传动 第1部分：基准宽度制

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. This document is Part 1 of GB/T 13575 "Common and narrow V-belt drives". GB/T 13575 has issued the following parts.

1. Datum width system;

2. Effective width system. This document replaces GB/T 13575.1-2008 "Ordinary and Narrow V-belt Drives Part

1. Reference Width System", and GB/T 13575.1- Compared with.2008, except for structural adjustment and editorial changes, the main technical changes are as follows:

---Changed some symbols. top width b is changed to W , pitch width b_p is changed to W_p , height h is changed to T , wheel groove pitch width b_d is changed to W_d , groove angle ψ is changed to α , the center distance a is changed to C , the wrap angle α is changed to θ , and the wrap angle coefficient K_α is changed to K_θ (see Figure 1, Figure 2,

6.8 and Table 23,.2008 Figure 1, Figure 2,

5.8 and Table 19 of the Annual Edition);

--- Deleted the wedge angle with the basic dimensions of the section (see Figure 1 and Table 1 of the.2008 edition);

--- Increased trimmed ordinary V-belt and pulley models (see Table 1, Table 2, Table 4, Table 5 and Table 6);

---Deleted the technical requirements for belts (see 3.3 of the.2008 edition);

--- Deleted the geometric tolerance mark of the wheel groove section (see Figure 2, Figure

2 of the.2008 edition);

--- Deleted some requirements on the reference diameter (see

1 Scope

GB/T 13575.1-2022 is the Chinese national standard on classical and narrow v-belt drives part 1: system based on datum width, 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 30 December 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 July 2023. Classification: ICS 21.220.10, CCS J18. 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.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 6931.1 Terminology of belt drives Part

GB/T 6931.2 Terminology of belt drives Part 2: V-belt and V-belt drives

GB/T 11544-2012 Dimensions of ordinary V-belts and narrow V-belts for belt drives (base width system)

GB/T 15531 Adjustment limit value of belt drive pulley center distance

3 Terms and Definitions

The terms and definitions defined in GB/T 6931.1 and GB/T 6931.2 apply to this document.

4 Belts

4.1 Strip dimensions The basic dimensions of the V-belt section are shown in Figure 1 and Table 1. Explanation of indexing symbols. W

--- top width, in millimeters (mm); WP

--- section width, in millimeters (mm); T

--- height, in millimeters (mm). Figure 1 V-belt section

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