

ICS 79.120.10

CCS J 65



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

**GB/T 19982-2025**

Replacing GB/T 19982-2005

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**Diameters of spindle for receiving circular sawblades on  
woodworking machines**

木工机床上安装圆锯片处的主轴直径

**Issued on: October 31, 2025**

**Implemented on: May 1, 2026**

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**Issued by: State Administration for Market Regulation;  
Standardization Administration of the PRC**

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. This document supersedes GB/T 19982-2005 "Spindle Diameter at the Installation Location of Circular Saw Blade on Woodworking Machine Tools" and is consistent with GB/T 19982-2005. Compared to previous versions, aside from structural adjustments and editorial changes, the main technical changes are as follows:

---The normative references have been changed (see Chapters 3 and 5, Chapter 3 in the.2005 edition);

---Changed "spindle diameter" to "terms and definitions", and added terms and definitions for "woodworking circular saw blade", "spindle diameter", and "bushel". Righteousness (see Chapter 3, Chapter 3 in the.2005 edition);

---Added "Woodworking circular saw blade installation type" and "spindle diameter at the saw blade location", and modified related technical content such as Figure 1 and Table 1 (see...) Chapters 4 and 5). Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed by the China Machinery Industry Federation. This document is under the jurisdiction of the National Technical Committee on Standardization of Woodworking Machine Tools and Cutting Tools (SAC/TC84). This document was drafted by: Fujian Provincial Academy of Mechanical Sciences, Fujian Agriculture and Forestry University, Nanjing Forestry University, and Fujian Deli Electromechanical Co., Ltd. Company, Guangdong Haode CNC Equipment Co., Ltd., and Leicester (China) Tooling Systems Co., Ltd. The main drafters of this document are. Wang Heping, Zeng Qinshi, Guo Xiaolei, Zhou Fuliang, Liu Jingxi, and Chen Kaiyuan. This document was first published in.2005, and this is its first revision. The spindle diameter at the location where the circular saw blade is mounted on the woodworking machine tool.

## 1 Scope

GB/T 19982-2025 is the Chinese national standard covering the spindle diameters a circular saw blade may be bored for - the preferred series and their tolerances, so that a blade fits the machine it is bought for and runs true on it. Issued on 31 October 2025, it has been in force since 1 May 2026, replacing GB/T 19982-2005.

This document specifies the diameter and tolerances of the spindle (including bushing) on a woodworking machine tool for mounting circular saw blades. This document applies to the design and manufacture of woodworking machine spindles that mount circular saw blades.

## 2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 21680-2008 Dimensions of Woodworking Circular Saw Blades

## 3 Terms and Definitions

The terms and definitions defined in GB/T 21680-2008, as well as the following terms and definitions, apply to this document.

3.1 A thin, circular sheet-like object with saw teeth or welded teeth machined onto the outer circumference of the saw body, mounted on a woodworking circular saw or other woodworking machine tool. Knives.

3.2 The diameter of the spindle or bushing at the location where the woodworking circular saw blade is installed on the machine tool.

Note. As shown in Figure 1.

3.3 bushing A component installed at the spindle journal of a machine tool that mounts a woodworking circular saw blade, so that the spindle diameter matches the hole diameter of the woodworking circular saw blade.

Note. As shown in Figure 1.

4. Woodworking circular saw blade installation type The mounting configuration of the woodworking circular saw blade on the machine tool spindle is shown in Figure 1.

5. Spindle diameter at the saw blade location The dimensions of the woodworking circular saw blade conform to the requirements of GB/T 21680-2008, and the spindle diameter at the mounting point of the circular saw blade is shown in Table 1. Other dimensions are

subject to the agreement between the supplier and the buyer in the contract, with a tolerance requirement of g6.

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