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

**GB/T 11270.2-2021**

Replacing GB/T 11270.2-2002

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**Superabrasive products - Diamond circular saw blade - Part 2:  
Sintered saw blades**

超硬磨料制品 金刚石圆锯片 第2部分：烧结锯片

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## Table of Contents

|                                                |    |
|------------------------------------------------|----|
| 1 Scope .....                                  | 1  |
| 2 Normative references .....                   | 1  |
| 3 Terms and definitions .....                  | 1  |
| 4 Code and marking .....                       | 1  |
| 4.1 Shape code .....                           | 1  |
| 4.2 Size code .....                            | 5  |
| 4.3 Abrasive grain size .....                  | 6  |
| 4.4 Concentration code .....                   | 6  |
| 4.5 Bond code .....                            | 7  |
| 4.6 Sintering process code .....               | 7  |
| 4.7 Use code .....                             | 7  |
| 4.8 Product marking .....                      | 7  |
| 5 Basic size of base body and serration .....  | 7  |
| 5.1 Substrate .....                            | 7  |
| 5.2 Sawtooth .....                             | 8  |
| 6 Technical requirements .....                 | 8  |
| 6.1 General requirements .....                 | 8  |
| 6.2 Appearance .....                           | 8  |
| 6.3 Mute .....                                 | 8  |
| 6.4 Limit deviation of basic dimensions .....  | 8  |
| 6.5 Shape and position tolerance .....         | 9  |
| 6.6 Safety requirements .....                  | 10 |
| 7 Test method .....                            | 11 |
| 7.1 General requirements .....                 | 11 |
| 7.2 Appearance .....                           | 11 |
| 7.3 Mute .....                                 | 12 |
| 7.4 Basic dimensions .....                     | 12 |
| 7.5 Shape and position tolerance .....         | 12 |
| 7.6 Safety requirements .....                  | 12 |
| 8 Inspection rules 13 9 sign .....             | 13 |
| 10 Packaging, transportation and storage ..... | 13 |
| 10.1 Packaging .....                           | 13 |

|                                                                 |    |
|-----------------------------------------------------------------|----|
| 10.2 Transportation .....                                       | 13 |
| 20 Appendix E (Normative) Diamond Circular Saw Blade Mark ..... | 21 |

## 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 of Standardization Documents" Drafting. This document is the second part of GB/T 11270 "Super Hard Abrasive Products Diamond Circular Saw Blade". GB/T 11270 has been released to the next part.

1. Welding saw blades;

2. Sintered saw blade. This document replaces GB/T 11270.2-2002 "Superhard Abrasive Products Diamond Circular Saw Blade Part

2. Sintered Saw Blade", and Compared with GB/T 11270.2-2002, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

a) The shape code is changed (see 4.1,

3.5 in the.2002 edition);

b) Deleted the abrasive code (see

3.1 in the.2002 edition);

c) Changed the abrasive particle size number (see 4.3,

3.2 in the.2002 edition);

d) The concentration code is changed (see 4.4,

3.3 in the.2002 edition);

e) The code of the firing process has been added (see 4.6);

## 1 Scope

GB/T 11270.2-2021 is the Chinese national standard on superabrasive products - diamond circular saw blade - part 2: sintered saw blades, in the field of manufacturing engineering. 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 21 May 2021 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2021. Classification: ICS 25.100.70, CCS J43. 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.

This document specifies the code and marking of the sintered diamond circular saw blade, the basic dimensions of the base and the teeth, technical requirements, test methods, and inspection rules Rules, signs, packaging, transportation and storage. This document is applicable to sintered diamond circular saws for cutting and processing materials such as stone, concrete, refractory materials, asphalt, carbon, ceramics, and glass. Blade (hereinafter referred to as saw blade).

## 2 Normative references

The contents of the following documents constitute the indispensable clauses of this document through normative references in the text. Among them, dated quotations Only the version corresponding to that date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to This document.

GB/T 1222 spring steel

GB/T 2493 Rotation test method of grinding wheel

GB/T 2829-2002 Periodic Inspection Attribute Sampling Procedure and Table (Applicable to the Inspection of Process Stability)

GB/T 6406 Super-hard abrasive particle size inspection

GB/T 11270.1 Diamond circular saw blades for superabrasive products-Part

## 3 Terms and definitions

There are no terms and definitions that need to be defined in this document.

### 4.1 Shape code

4.1.1 Shape code of sawtooth section See Table 1 for the shape and code of the sawtooth section.