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

GB/T 2484-2023

Replacing GB/T 2484-2018

**Bonded abrasive products - Shape types, designation and
marking**

固结磨具 形状类型、标记和标志

(English Translation)

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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 replaces GB/T 2484-2018 "General Requirements for Bonded Abrasives": Compared with GB/T 2484-2018, except for structural adjustments and in addition to editorial changes, the main technical changes are as follows:

- a) The meanings of the dimension symbols H, K, L, R, U and Chapter, Chapter 3 of the:2018 edition);
- b) Added shape codes 18B, 18P, 3105, 3106, 5412, 5421 and related content (see 5.1, 4:1 of the:2018 edition);
- c) The original "Requirements" chapter has been changed to the "Characteristics Regulations" chapter, and the dimensions, limit deviations, geometric tolerances, allowable unbalance, etc: have been deleted:

Capacity (see Chapter 6, Chapter 5 of the:2018 edition);

- d) Some parts of the logo have been changed (see 8.1, 8:2, 7:1, 7:2 of the:2018 version):

This document has been modified to adopt ISO 525:2020 "Shape Types, Markings and Markings of Bonded Abrasive Tools":

Compared with ISO 525:2020, this document has many structural adjustments: See the comparison list of structure number changes between the two files:

Appendix A:

Compared with ISO 525:2020, this document has many technical differences: Use vertical single words in the outer margin of the clauses involved:

The line (-) is marked: A list of these technical differences and their causes is provided in Appendix B:

The following editorial changes have been made to this document:

- Deleted the notes in the scope and ISO 6103 and ISO 13942 in the references;
- Adjust the instructions indicating the working surface symbols of bonded abrasive tools in Table 1 to Table 2;
- Deleted the note in 5:1;
- Deleted footnote b and footnote c in Table 2;
- Deleted the example in 5:2;
- Adjust footnote c in Figure 1 to footnote 1, and extend footnote d to footnote c;
- Change ISO 603 in the reference to GB/T 4127:

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the following contents of bonded abrasive tools:

- a) Dimension symbols;
- b) shape type;
- c) Characteristics provisions;
- d) mark;
- e) logo:

This document applies to bonded abrasive tools (such as grinding wheels, grinding heads, sand tiles and grinding stones):

This document does not apply to superabrasive products and coated abrasives:

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document:

GB/T 2476 Common abrasive code GB/T 2481.1 Detection and marking of abrasive grain size composition for bonded abrasive tools Part 1: Coarse abrasive grains F4~F220 (GB/T 2481.1-1998, ISO 8486-1:1996, eqv) GB/T 2481.2 Detection and marking of abrasive particle size composition for bonded abrasive tools Part 2: Micropowder (GB/T 2481.2-2020, ISO 8486-2:2007, MOD) GB 2494 Safety requirements for bonded abrasive tools GB/T 16458 Abrasives Terminology

3 Terms and definitions

The terms and definitions defined in GB/T 16458 apply to this document:

4 Size symbols

The size symbols of bonded abrasive tools are shown in Table 1:

Table 1 Dimension symbols

Dimension symbol meaning
A The width of the sand tile bottom
B Width of sand tiles and grindstones
C Thickness of sand tiles and grindstones