

ICS 25.100.70

CCS J 43



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

GB/T 4127.5-2008

Replacing GB/T 4127-1997

**Bonded abrasive products -- Dimensions -- Part 4: Grinding
wheels for surface grinding/peripheral grinding
(English Translation)**

Issued on: June 3, 2008

Implemented on: January 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Foreword

1 Scope

2 Normative references

3 Dimensions

3.1 Type 2. bonding or clamping cylindrical grinding wheel

3.2 Type 6. cup wheel

Foreword

GB/T 4127 "abrasive Size" is divided into 16 parts.

- Part 1. Cylindrical grinding wheel (workpiece clamping between centers);
- Part 2. centerless cylindrical grinding wheel;
- Part 3. inner circle grinding wheel;
- Part 4. Surface grinding with peripheral grinding wheel;
- Part 5. Surface grinding end face grinding wheel;
- Part 6. Tools and tool room grinding wheels for;
- Part 7. Manually operated grinding wheel;
- Part 8. deburring, snagging and rough grinding with a grinding wheel;
- Part 9. heavy-duty grinding wheel;
- Part 10. ultra-fine grinding and honing grindstone;
- Part 11. Hand polishing grindstone;
- Part 12. vertical grinder deburring and shortage of scrub round;
- Part 13. Vertical grinder deburring and shortage of scrub round;
- Part 14. angle grinder deburring, snagging and rough grinding wheel;
- Part 15. fixed or mobile cutting machine cutting wheel;
- Part 16. Hand-held power tool with a cutting wheel.

This section GB/T 54127 Part of.

The partial modification of the use of ISO 603-5:1999 "abrasive size - Part 5. surface

grinding/grinding wheel end surface" (in English).

Taking into account China's national conditions, in the use of ISO 603-5:1999 when this part has made several modifications. About the technical differences have been incorporated into the text in which they are involved and the terms of the margin of a single vertical line identification. It gives a technical difference in Appendix A (Informative appendix) List of very different reasons for reference.

For ease of use, this section also made the following editorial changes.

- The "this part of ISO 603" with the words "this section";
- With a decimal point "." Instead of as a decimal comma ","
- Delete international standards foreword.

This Part replaces GB/T 4127-1997 "bonded abrasive grinding wheel shape and size" section of content. The modifications are the following.

- Such products is consistent with the name of the international standards in the name of "ordinary abrasive" to "abrasive."
- Increasing the ISO 603-5:1999 type 2, 6, 31, 35 type, 36 type, 37 type and size of the wheel series.
- Increased product marking, signage requirements and regulations.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee Abrasives (SAC/TC139) centralized.

This section is drafted. Suzhou Far East Wheel Co., Ltd., Shandong Luxin High-Tech Industry Co., Ltd.

1 Scope

GB/T 4127 This section provides for the following models of wheel dimensions, marking and requirements.

- Type 2. bonding or clamping cylindrical grinding wheel
- Type 6. cup wheel
- 31. sand tile
- Type 35. bonded or clamped disc wheel
- 36 type. flat-shaped grinding wheel bolt
- Type 37. Wheel bolt barrel Provisions of this Part apply abrasive grinding surface of the

workpiece, the workpiece securely fixed to the work surface movement of the workpiece and the grinding wheel Mechanical manipulation.

2 Normative references

The following documents contain provisions which, through reference in this part of the GB/T 4127, constitute provisions of this part. For dated references, all subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2484 Bonded Abrasives - General requirements (GB/T 2484-2006, ISO 525:1999, MOD) GB/T 2485 abrasive technical conditions JB/T 7983 bolt flat-shaped grinding wheel

3.1 Type 2. bonding or clamping cylindrical grinding wheel

See Figure 1, Table 1 and Table 2.

Figure 1 Type 2 Wheel

3.2 Type 6. cup wheel

See Figure 2 and Table 3.

3.3 31 type. sand tile

Figure 3 to 5 and Tables 4 to 9.

3.4 35 Type. bonded or clamped disc wheel See Figure 6 and Table 10.