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

GB/T 14299-2007

Replacing GB/T 14299-1993

Spiral flute drill with indexable inserts

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Foreword

This standard replaces GB/T 14299-1993 "indexable drill with spiral grooves." This standard and GB/T 14299-1993 compared to the main changes are as follows:

- Added "foreword";
- Modify the "normative references";
- Added "Weldon shank drill with the types and basic dimensions";
- Increased "TMG21 shank drill with the types and basic dimensions";
- Expanding the basic size specifications;
- Original standard "technical requirements", respectively, as the contents of the new standard "look and surface roughness," "material and hardness";
- Abolition of the "performance test requirements";
- Modify the "logo and packaging" requirements;
- Added "tag example";
- Added "Appendix C", "Appendix D", "Appendix E", "Appendix F"; The Standard Appendix A, Appendix C, Appendix E is normative appendix, Appendix B, Appendix D, Annex F is informative appendix. The standard proposed by China Machinery Industry Federation. This standard tool by the National Standardization Technical Committee (SAC/TC91) centralized. This standard was drafted. Taiyuan Tools Factory. The main drafters. Zhang Jinfeng, Yan Hong Ying. This standard replaces the standards previously issued as follows:
- GB/T 14299-1993. Indexable drill with spiral grooves

1 Scope

GB/T 14299-2007 is the Chinese national standard on spiral flute drill with indexable inserts, 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 26 July 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2007. Classification: ICS 25.100.30, CCS J41. 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 standard specifies the 2 ° beveled flat shank, Weldon shank, Morse taper shank and TMG21 indexable drill with spiral grooves (hereinafter He said drill with) the type size, appearance, and surface roughness, and material hardness, marking and packaging of basic requirements. This standard applies to three times the diameter of 16mm ~ 82mm, drilling depth is not greater than the diameter of the drill, cooling liquid injected by the blade fitted Sink hole carbide indexable insert drill with.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 1443 from machine tools and tool handles with clip cone (GB/T 1443-1996, eqv ISO 296.1991)

GB/T 2075 Classification and use of cutting large groups and groups of application of hard cutting materials classification code (GB/T 2075- 2007, ISO 513.2004, IDT)

GB/T 2080 counterbore carbide indexable inserts (GB/T 2080-1987, eqv ISO 6987-1. 1983)

3 Type size

3.1 2 ° beveled flat shank drill with

3.1.1 Basic dimensions in Figure 1 and Table 1.

3.1.2 Type size shank in accordance with Appendix A, with the shank portion mating hole type size See Appendix B. Figure 1