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

GB/T 16950-2014

Replacing GB/T 16950-1997; GB/T 16951-1997

Geological core drilling tools

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard replaces GB/T 16950-1997 "diamond drill core drilling equipment" and GB/T 16951-1997 "diamond rope taking

Core drilling equipment. " Compared with GB/T 16950-1997 and GB/T 16951-1997, the major technical changes as follows.

- Drilling diameter specifications from R to Z is divided into 10;
- Single drill pipe and drill pipe design includes double from R to Z 10 specifications;
- Enrich the rope coring drill type;
- The outer wire rod included in this standard;
- Original standard part of the nominal diameter of the drill and matching parameters were technical amendments.

The reference standard ISO 3551.1992 "A series of diamond core drilling equipment" Writing with ISO 3551.1992 for the degree of consistency

Non-equivalent.

The standard proposed by the People's Republic of China Ministry of Land Resources.

This standard by the National Standardization Technical Committee on Land Resources (SCA/TC93) centralized.

This standard was drafted. Exploration Technology Research Institute, Chinese Academy of Geological Sciences, drilling tools factory in Wuxi, China Land and Resources Institute of Economic Research, Gan

Su prospecting Machinery Plant, China Geological Equipment Corporation, Jiaying new era Pipe Manufacturing Co., Ltd. Tangshan Jinshi superhard materials,

Coal Science and Industry Group Xi'an Institute.

1 Scope

This standard specifies the geological core drilling drill type, size, and symbols, pipe performance and interchangeability dimensions and so on. include.

- Rope coring drill pipe and drill their common connection;
- Coring drill;
- Casing and accessories.

This standard applies to drilling depth geological core drilling within 3000m, including the use of the heart and lift the rope coring drill Drilling Technology

Diamond drilling, PDC drilling and carbide drilling. Engineering geological drilling, small-bore construction drilling can refer to use.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 229 metal Charpy pendulum impact test method

GB/T 230.1 metallic materials - Rockwell hardness test - Part 1. Test methods (A, B, C, D, E, F, G, H, K, N, T scale)

GB/T 9151-1988 drilling engineering terminology

GB/T 9808-2008 drilling seamless

GB/T 22512.2-2008 petroleum and natural gas industries - Rotary drilling equipment - Part 2. rotary shouldered threaded connection processing

And Measurement

3 Terms and Definitions

GB/T 9151 defined by the following terms and definitions apply to this document.

3.1

Geological core drilling geologicalcoredrilling

Geological exploration work to obtain rock samples for the purpose of drilling operations.

3.2

Drill drilttools

Drilling holes appliance.

3.3

Drill drillrod/drillpipe

Broken rock bottom of the hole used to convey the power, transport and flushing medium metal pipe.

3.4

Single single

A cut length of drill pipe.

[GB/T 9151-1988, the definition 7.8]

3.5

The stand stand

The lifting step does not breakout unit consists of several single composition.