

ICS 25.100.30
CCS D 81

JG

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

JG/T 556-2018

Replacing JG/T 5061.9-1995

**Triple tube rigid type rotary corer
(English Translation)**

Issued on: April 26, 2018

Implemented on: December 1, 2018

**Issued by: Ministry of Housing and Urban-Rural Development of the
People's Republic of China**

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Foreword

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

This standard replaces JG/T 5061.9-1995 "Triple pipe double-action rotary earth borrower". Compared with JG/T 5061.9-1995, the main technology the content changes are as follows.

--- Updated the reference standard and adopted the latest domestic technical standards;

--- Adjust the double-duplex double-turn rotary earth borrower model TS148x110 in the main parameter and size series to TS146x110, outer tube the outer diameter is changed from 148mm to 146mm; the model TS108x74 is adjusted to TS108x75, and the inner diameter of the liner is 74mm.

75mm;

--- For the original specification based on YB235 "Geological Drilling Steel Pipe", according to GB/T 9808-2008 "Drilling seamless steel the requirements of the Regulation have been adjusted;

---JG J89 "Undisturbed Soil Sampling Technical Standard" was adjusted to JG J/T 87 "Technical Regulations for Geological Exploration and Sampling of Construction Engineering";

--- Revised some of the material technical requirements, test methods, inspection rules, signs, packaging, transportation, storage, etc.;

--- The product replacement standard, storage conditions, factory certificate, environmental protection, resource conservation, durability requirements and other content have been clarified.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Technical Committee for Engineering Survey and Measurement Standardization of the Ministry of Housing and Urban-Rural Development.

1 Scope

This standard specifies the terms and definitions, classification and marking, requirements, test methods, inspection rules and standards of triple-tube double-action rotary earth borrows.

Awareness, packaging, transportation and storage.

This standard is applicable to the use of hard plastic and hard clay, medium sand, coarse sand, gravel sand, gravel soil, soft rock grade I quality samples in the borehole.

Earth borrower.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

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

GB/T 197 ordinary thread tolerance GB/T 308.1 Rolling ball - Part 1. Steel balls GB/T 1031 Product Geometric Specifications (GPS) Surface structure profiling surface roughness parameters and their values GB/T 7234 Product Geometry Technical Specification (GPS) Roundness Measurement Terms, Definitions and Parameters GB/T 9808 seamless steel pipe for drilling GB/T 15519 chemical conversion film steel black oxide film specification and test method GB/T 16950 geological core drilling tools GB 50021 Geotechnical Engineering Survey Specification [2009 Edition] JG J/T 87 Technical Specifications for Construction Engineering Geological Exploration and Sampling

3 Terms and definitions

The following terms and definitions apply to this document.

It consists of a triple pipe such as an outer pipe, an inner pipe and a liner. The inner and outer pipes can be rotated, and the rock and earth sample can be taken in the borehole during rotary drilling.

appliance.

Internal clearance ratio insideclearanceratio the ratio of the difference between the inner diameter of the liner and the inner diameter of the inner tube alloy drill bit to the inner diameter of the inner tube alloy drill bit is expressed as a percentage.

Outer tube the outermost metal tubular part of the earth-moving device is connected to the cutting body by screwing the drill bit at the bottom end.

Inner tube the inner tubular metal tubular part, the inner cavity wrapped with the liner and the soil taken, can be rotated independently of the outer tube, and the bottom end is screwed to the drill bit.

Cutting the soil.