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ICS 21.14
CCS J22

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15316-2025

Rotary joint for shield machines

盾构机用中央旋转接头

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

JB/T 15316-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

The JB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

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2 Scope Preview

This standard specifies the structural type, technical parameters, model identification, and technical requirements of central rotary joints for tunnel boring machines (TBMs), describes the corresponding test methods, and specifies inspection rules, instruments, marking, packaging, transportation, and storage requirements. This standard applies to the manufacture of central rotary joint products for earth pressure balance TBMs, slurry balance TBMs, and full-face hard rock TBMs.

JB/T 15316-2025 falls under ICS 21.14, in the field of mechanical systems and components.

This catalogue holds 260 other JB/T standards in that field.

In this catalogue, JB/T standards carry edition years from 1967 to 2026.

3 About this standard

Sector: Mechanical & Machinery Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 6556-2016 - Type, Main Dimension, Material and Marking of Mechanical Seals

JB/T 10688-2006 - PTFE gaskets - Technical requirements

QC/T 716-2004 - Test methods for retention force and insertion force of automotive weatherstrips

JB/T 11959-2026 - Sealing ring of cemented carbide for mechanical seal

JB/T 11289-2025 - Dry gas seal technical specifications

JB/T 15317-2025 - Dry running mechanical seals for stirred vessel

5 Classification and status

International classification (ICS): 21.14

Chinese Standard Classification (CCS): J 22

Prefix JB/T: recommended standard.

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