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ICS 21.100.10
CCS J12

JB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JB/T 15300-2025

Plain bearings - Shear test methods for bond strength of bronze-steel backed bimetallic plates with alloy layer thickness 0.5mm ~ 2.0mm

滑动轴承 合金层厚度0.5mm～2.0mm的青铜-钢背双金属板材结合强度的剪切试验方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/jb-t-15300-2025

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1 Foreword

JB/T 15300-2025 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 shear test method for the bond strength of bronze-steel backed bimetallic plates with an alloy layer thickness of 0.5mm to 2.0mm, and specifies the test report. This standard applies to the testing of the bond strength between the alloy layer and the steel backing in bronze-steel backed bimetallic plates with an alloy layer thickness of 0.5mm to 2.0mm.

JB/T 15300-2025 falls under ICS 21.100.10, 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 18329.1-2023 - Plain bearings - Metallic multilayer plain bearings - Part 1: Non-destructive ultrasonic testing of bond of thickness greater than or equal to 0.5 mm

GB/T 2889.6-2020 - Plain bearings - Terms, definitions, classification and symbols - Part 6: Abbreviated terms

GB/T 27553.1-2011 - Specification for plastics-bronze-steel backing triple-layer self-lubricating materials - Part 1: Plastic overlay with modified PTFE

JB/T 14786-2024 - Sliding bearings - Technical specifications for copper alloy-steel back self-lubricating bearing materials

JB/T 14859-2024 - Sliding bearings - Steel back cast copper alloy inlaid solid lubricant bearings

JB/T 14858-2024 - Sliding bearings - Long fiber wound self-lubricating bearings

5 Classification and status

International classification (ICS): 21.100.10

Chinese Standard Classification (CCS): J 12

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Prefix JB/T: recommended standard.

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