

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

GB/T 32321-2015

**Rolling bearings - Sealed deep groove ball bearings -
Performance test rule of dustproofing, grease leakage
and temperature rise**

滚动轴承 密封深沟球轴承
防尘、漏脂及温升性能试验规程

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Foreword

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

This Standard was proposed by China Machinery Industry Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Rolling Bearings of Standardization Administration of China (SAC/TC 98).

The drafting organizations of this Standard: Luoyang Bearing Research Institute Co., Ltd.

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Rolling bearings - Sealed deep groove ball bearings - Performance test rule of dustproofing, grease leakage and temperature rise

1 Scope

This Standard specifies performance test rule of dustproofing, grease leakage and temperature rise for general-purpose sealed deep groove ball bearings (both sides are with sealing rings or both sides are with dust covers), of which the dimensions meet the diameter series 0, 2, 3 in GB/T 276, nominal inner diameter $d \leq 60$ mm (hereinafter referred to as sealed ball bearings). The bearings of other types, sizes and size ranges shall refer to this Standard to use.

This Standard is applicable to dustproofing, grease leakage and temperature rise tests for sealed ball bearings on test devices.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 276, *Rolling bearings - Deep groove ball bearings - Boundary dimensions*

GB/T 2479, *Conventional abrasive - White fused alumina*

GB/T 2828.1, *Sampling procedures for inspection by attributes - Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

SH/T 0336, *Grease impurities assay (microscopy)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 dustproofing performance of sealed ball bearings