

JB

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

JB/T 10531-2005

**Rolling bearings - Double-row angular contact bearings for
electromagnetic clutch of car air-conditioner**

滚动轴承 汽车空调电磁离合器用双列角接触球轴承

(English Translation)

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1 Scope

This standard specifies the designation, boundary dimensions and technical specifications of double-row angular contact ball bearings for electromagnetic clutch of car air-conditioner (hereinafter referred to as "bearings").

This standard is applicable to the production inspection and customer acceptance of bearings.

2 Normative References

The following standards contain provisions which, through reference in this standard, constitute provisions of this standard. For dated reference, subsequent amendments to (excluding corrections to) or revisions of, any of these publications do not apply. However, all parties coming to an agreement basing on this standard are encouraged to investigate whether the latest editions are applicable. For undated normative references, the latest editions apply.

GB/T 272-1993 "Rolling Bearing - Identification Code"

GB/T 307.2-2005 "Rolling Bearings - Measuring and Gauging Principles and Methods" (ISO 1132-2: 2001, Rolling Bearings - Tolerances - Part 2: Measuring and Gauging Principles and Methods, MOD)

GB/T 307.3-2005 "Rolling Bearings - General Technical Regulations"

GB/T 2829-2002 "Sampling Procedures and Tables for Periodic Inspection by Attributes (Apply to Inspection of Process Stability)"

GB/T 4199-2003 "Rolling Bearings - Tolerances - Definitions" (ISO 1132-1: 2000, Rolling Bearings - Tolerances - Part 1: Terms and Definitions, MOD)

GB/T 7811-1999 "Rolling Bearings - Symbols for Quantities"

GB/T 8597-2003 "Rolling Bearings - Rust Proof Packaging"

GB/T 18254-2002 "High-carbon Chromium Bearing Steel Technical Specifications"

JB/T 1255-2001 "Specification for Heat-treatment of Rolling Bearing Parts Made from High Carbon Chromium Steel"

JB/T 2974-2004 "Rolling Bearings - Identification Code - Supplemental Regulations"

JB/T 3573-2004 "Rolling Bearings - Methods for the Measurement of Radial Internal Clearance"

JB/T3574-1997 "Rolling Bearings - Marking for Products"

JB/T 5314-2002 "Rolling bearing - Measuring Methods for Vibration (Acceleration)"

JB/T 6641-1993 "Rolling Bearings - Residual Magnetism and Its Assessment Method"

JB/T 7050-2005 "Rolling Bearings - Assessment Methods for Cleanliness"

JB/T 7051-1993 "Rolling Bearing - Methods for the Measurement and Assessment of Parts Surface Roughness"

JB/T 7752-2005 "Sealed Deep Groove Ball Bearings - Specifications"

JB/T 8571-1997 "Rolling Bearings - Sealed Deep Groove Ball Bearings - Performance Test Rule of Dustproofing, Grease Leakage and Temperature Rise"

JB/T 8921-1999 "Rolling Bearings and Commercial Parts-Inspection Rules"

3 Symbols

For the purposes of this standard, the symbols established in GB/T 4199 and GB/T 7811 apply(see Figure 1).

4 Designation Method

The bearing designation consists of the type code, the dimensions indicating the characteristics of bearing matching and mounting, and the suffix code, arranged in the order specified in Table 1.