

JB

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

JB/T 7751-2005

Replacing JB/T 7751-1995

Rolling bearings - Thrust tapered roller bearings

滚动轴承 推力圆锥滚子轴承

(English Translation)

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Table of Contents

Contents

Foreword I

1 Scope

2 Normative References

3 Symbols (see Figures 1~3)

4 Technical Requirements

5 Measuring Methods

6 Inspection Rules

7 Marking

8 Packaging

Figure 1 Thrust Roller Bearing

Figure 2 Shaft Washer

Figure 3 Housing Washer

Table 1 Tolerance of Shaft washer

Table 2 Tolerance of Housing Washer

Table 3 Height Tolerance

Table 4 Surface Roughness Ra

1 Scope

This standard specifies the technical requirements, measuring methods, inspection rules, marking and packaging of thrust tapered roller bearing whose inside diameter d is less than or equal to 1250mm and boundary dimension meets the requirements of GB/T 273.2-1998.

This standard is applicable to manufacture, inspection and acceptance of thrust tapered roller bearing.

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 corrigenda), or revisions of, any of these publications do not apply. However, all parties coming to an agreement according to this standard are encouraged to study whether the latest edition of these documents is applicable. For undated references, the latest edition of the normative document applies.

GB/T 273.2-1998 Rolling Bearings - Thrust Bearings - Boundary Dimensions - General Plan (eqv ISO 104, 1994)

GB/T 274-2000 Rolling Bearings - Chamfer Dimension - Maximum Values (idt ISO 582: 1995)

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

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

GB/T 18254-2002 High-carbon Chromium Bearing Steel

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

JB/T 3574-1997 Rolling Bearings - Marking for Products

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

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

JB/T 8196-1996 Rolling Bearings - Residual Magnetism and Its Assessment Method

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

3 Symbols (see Figures 1~3)

Except the following symbols, the definition of symbols quoted in this standard is in accordance with the requirements of GB/T 4199.

$\delta(180^\circ - 2\beta)$: deviation for tapered angle of shaft washer raceway of thrust tapered roller bearing

$\delta(180^\circ - 2\alpha)$: deviation for tapered angle of housing washer raceway of thrust tapered roller bearing

Figure 1 Thrust Roller Bearing

Figure 2 Shaft Washer

Figure 3 Housing Washer