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

JB/T 6637-2004

Technical requirements for rolling bearing reference standards

滚动轴承标准器技术条件

(English Translation)

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Table of Contents

Foreword	i
1 Scope	
2 Normative References	
3 Symbols (See Figure 1~Figure 8)	
4 Tolerance Grade of Standard	
5 Technical Requirements	
5.1 Material and Hardness	
5.2 Tolerance	
5.3 Chamfer Dimension	
5.4 Surface Roughness	
5.5 Annual Dimension Variation	
6 Acceptance Regulations	
6.1 Verification	
6.2 Quality Certificate	
6.3 Acceptance	
7 Marks	
7.1 Content of Mark	
7.2 Mark Position and Method	
7.3 Mark Requirements	
8 Rust Protection, Package and Storage	

1 Scope

This Standard specifies such technical requirements as tolerance, acceptance regulations, rust proof and package of standard used for rolling bearings and their parts inspection.

This Standard is applicable to standard with the following dimensions used for rolling bearing.

- Nominal inside diameter of standard used for rolling bearing cylindrical bore is 0.6 mm ~ 400 mm;
- Nominal outside diameter of standard used for rolling bearing cylinder is 2.5 mm ~ 500mm;
- Nominal inside diameter of standard used for rolling bearing tapered bore is less than or

equal to 500mm;

- Diameter of standard used for outer ring raceway of tapered roller bearing is 18mm ~ 500mm;
- Diameter of standard used for inner ring raceway of tapered roller bearing is 18mm ~ 400mm;
- Width of standard used for rolling bearing width is less than or equal to 400mm;
- Nominal diameter of standard used for tapered roller is less than or equal to 120 mm.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. For dated reference, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, the parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards. For undated references, the latest edition of the normative document referred to applies.

GB/T 8597-2003 Rolling bearings-Rust proof packaging

JJG (machinery) 147-1993 Rolling Bearings - Verification Regulation for Tapered Roller Standard

JJG (machinery) 148-1993 Rolling Bearings - Verification Regulation for Tapered Bore Standard

JJG (machinery) 153-1993 Rolling Bearings - Verification Regulation for Cylindrical Bore Standard

JJG (machinery) 154-1993 Rolling Bearings - Verification Regulation for Conoid Standard

3 Symbols (See Figure 1~Figure 8)

The following symbols are applicable to this Standard.

D - Nominal diameter of cylinder standard

De - Big end nominal diameter of conoid standard

Dw - Big end nominal diameter of tapered roller standard d - Nominal diameter of cylindrical bore standard de - Small end nominal diameter of tapered bore standard d1 - Big end nominal diameter of tapered bore standard

H - Nominal dimension of width standard rs - Single chamfer dimension

2alpha - Tapered angle of standard used for tapered bore, conoid and tapered roller

deltaDes - Big end single diameter deviation of conoid standard

deltaDs - Single diameter deviation of cylinder standard