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

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GB/T 297-1994

**Rolling Bearings—Tapered Roller Bearing—
Boundary Dimensions**

滚动轴承 圆锥滚子轴承 外形尺寸

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Contents

1	Subject Content and Application Scope	1
2	Normative References	1
3	Symbols (See the Following Figure)	1
4	Boundary Dimensions	3
5	Marking	3
	Annex A (Informative) Comparison of New and Old Bearing Codes	17
	Additional Explanation	18

Rolling Bearings—Tapered Roller Bearing— Boundary Dimensions

1 Subject Content and Application Scope

This standard specifies the boundary dimensions of single row tapered roller bearing which are in accordance with those specified in "Rolling Bearings - Tapered Roller Bearings - Boundary Dimensions" (GB 273.1).

This standard is applicable to single row tapered roller bearing.

2 Normative References

GB 273.1 Rolling Bearings - Tapered Roller Bearings - Boundary Dimensions

3 Symbols (See the Following Figure)

d : the nominal bore diameter of bearing

D : the nominal outside diameter of bearing

T : the nominal width of bearing

B : the nominal width of inner ring

C : the nominal width of outer ring

E : the nominal small bore diameter of outer ring

α : the nominal contact angle

r_1 : the nominal chamfer dimension toward diameter of big end inner ring

$r_{1\text{min}}$: the single-direction minimum dimension of r_1

r_2 : the nominal chamfer dimension toward axle of big end in inner ring

$r_{2\text{min}}$: the single-direction minimum dimension of r_2

r_3 : the nominal chamfer dimension toward diameter of big end outer ring

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