

# Single Row Angular Contact Ball Bearings

7000 Series-7021DT,7021DF,7021DB,7021K



WUXI GUANGQIANG BEARING TRADE CO.,LTD

## Bearing Numbers

Single row	<b>7021K</b>
DB	<b>7021DB</b>
DF	<b>7021DF</b>
DT	<b>7021DT</b>

## Dimensões principais (mm)

d	105
D	160
B	26
r (min)	<b>2</b>
r1(min)	<b>1</b>

## Basic load ratings(N)

Cr	88000
Cor	89600

## Classificações básicas de carga (kgf)

Cr	9000
Cor	9100

## Valor

fo	15.8
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## Velocidade limite (rpm)

Graxa	6000
Óleo	8500

## Distance of action point(mm)

uma	30.7
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## Abutment and fillet dimensions

da (min)	115
Da (max)	150
ra (max)	<b>2</b>

## Peso

(kg)	1.82
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## Basic load ratings(duplex bearing) (N)

Cr	143000
Cor	179000

## Basic load ratings(duplex bearing) (kgf)

Cr	14600
Cor	18200

## Limiting Speed(duplex bearing) (rpm)

Graxa	4800
Óleo	6700

## Distance of action point (duplex bearing)(a0)

back-to-back arrangement	61.5
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face-to-face arrangement	9.5
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## Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	154
rb (max)	<b>1</b>

## **GQZ high quality 7000 Series Single Row Angular Contact Ball Bearings**

Angular contact ball bearings have inner and outer ring raceways that are displaced relative to each other in the direction of the bearing axis. This means that these bearings are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads.

The axial load carrying capacity of angular contact ball bearings increases as the contact angle increases. The contact angle is defined as the angle between the line joining the points of contact of the ball and the raceways in the radial plane, along which the combined load is transmitted from one raceway to another, and a line perpendicular to the bearing axis

The most commonly used designs are:

single row angular contact ball bearings

double row angular contact ball bearings

four-point contact ball bearings

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