

# Single Row Angular Contact Ball Bearings

7000 Series-7003DT,7003DF,7003DB,7003A



BEARING

WUXI GUANGQIANG BEARING TRADE CO.,LTD

## Bearing Numbers

Single row **7003A**

DB **7003DB**

DF **7003DF**

DT **7003DT**

## Dimensões principais (mm)

d 17

D 35

B 10

r (min) 0.3

r1(min) 0.15

## Basic load ratings(N)

Cr 6400

Cor 3800

## Classificações básicas de carga (kgf)

Cr 655

Cor 390

## Valor

fo 14.9

## Velocidade limite (rpm)

Graxa 22000

Óleo 30000

## Distance of action point(mm)

uma 12.5

## Abutment and fillet dimensions

da (min) 19.5

Da (max) 32.5

ra (max) 0.3

## Peso

(kg) 0.04

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

Cr 10400

Cor 7650

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

Cr 1060

Cor 780

## Limiting Speed(duplex bearing) (rpm)

Graxa 17000

Óleo 24000

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

back-to-back 25

## arrangement

face-to-face 5

## arrangement

## Installation dimensions(duplex bearing)

db (min) 18.2

Db(max) 33.8

rb (max) 0.15

## **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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