

Single Row Angular Contact Ball Bearings

7000 Series-**7007DT,7007DF,7007DB,7007A**



BEARING

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row **7007A**

DB **7007DB**

DF **7007DF**

DT **7007DT**

Dimensões principais (mm)

d 35

D 62

B 14

r (min) 1

r1(min) 0.6

Basic load ratings(N)

Cr 18300

Cor 13400

Classificações básicas de carga (kgf)

Cr 1870

Cor 1370

Valor

fo 15.4

Velocidade limite (rpm)

Graxa 12000

Óleo 16000

Distance of action point(mm)

uma 21

Abutment and fillet dimensions

da (min) 41

Da (max) 56

ra (max) 1

Peso

(kg) 0.153

Basic load ratings(duplex bearing) (N)

Cr 29700

Cor 26800

Basic load ratings(duplex bearing) (kgf)

Cr 3050

Cor 2740

Limiting Speed(duplex bearing) (rpm)

Graxa 9500

Óleo 13000

Distance of action point (duplex bearing)(a0)

back-to-back 42

arrangement

face-to-face 14

arrangement

Installation dimensions(duplex bearing)

db (min) 40

Db(max) 57

rb (max) 0.6

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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