

Single Row Angular Contact Ball Bearings

7000 Series-7005DT,7005DF,7005DB,7005A



BEARING

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row **7005A**

DB **7005DB**

DF **7005DF**

DT **7005DT**

Dimensiones principales (mm)

D 25

D 47

B 12

r (min) 0.6

r1(min) 0.3

Basic load ratings(N)

Cr 11300

Cor 7400

Clasificaciones de carga básica (kgf)

Cr 1150

Cor 750

Valor

fo 15.1

Velocidad límite (rpm)

Grasa 16000

Petróleo 22000

Distance of action point(mm)

a 16.4

Abutment and fillet dimensions

da (min) 30

Da (máx.) 42

ra (máximo) 0.6

Peso

(kg) 0.079

Basic load ratings(duplex bearing) (N)

Cr 18300

Cor 14800

Basic load ratings(duplex bearing) (kgf)

Cr 1870

Cor 1510

Limiting Speed(duplex bearing) (rpm)

Grasa 13000

Petróleo 17000

Distance of action point (duplex bearing)(a0)

back-to-back 32.8

arrangement

face-to-face 8.8

arrangement

Installation dimensions(duplex bearing)

db (min) 27.5

Db(max) 44.5

rb (máximo) 0.3

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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