

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
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Velocidade limite (rpm)

Graxa	12000
Óleo	16000

Distance of action point(mm)

uma	21
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Abutment and fillet dimensions

da (min)	41
Da (max)	56
ra (max)	1

Peso

(kg)	0.153
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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 arrangement	42
face-to-face arrangement	14

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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