

Single Row Angular Contact Ball Bearings

7000 Series-7001DT,7001DF,7001DB,7001A



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7001A
DB	7001DB
DF	7001DF
DT	7001DT

Dimensões principais (mm)

d	12
D	28
B	8
r (min)	0.3
r1(min)	0.15

Basic load ratings(N)

Cr	5800
Cor	2980

Classificações básicas de carga (kgf)

Cr	590
Cor	305

Valor

fo	13.8
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Velocidade limite (rpm)

Graxa	28000
Óleo	38000

Distance of action point(mm)

uma	9.8
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Abutment and fillet dimensions

da (min)	14.5
Da (max)	25.5
ra (max)	0.3

Peso

(kg)	0.021
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Basic load ratings(duplex bearing) (N)

Cr	9400
Cor	5950

Basic load ratings(duplex bearing) (kgf)

Cr	955
Cor	610

Limiting Speed(duplex bearing) (rpm)

Graxa	22000
Óleo	30000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	19.5
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face-to-face arrangement	3.5
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Installation dimensions(duplex bearing)

db (min)	13.2
Db(max)	26.8
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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