

Single Row Angular Contact Ball Bearings

7000 Series-7010DT,7010DF,7010DB,7010C



BEARING

WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7010C
DB	7010DB
DF	7010DF
DT	7010DT

Dimensões principais (mm)

d	50
D	80
B	16
r (min)	1
r1(min)	0.6

Basic load ratings(N)

Cr	26000
Cor	21900

Classificações básicas de carga (kgf)

Cr	2650
Cor	2230

Valor

fo	15.9
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Velocidade limite (rpm)

Graxa	12000
Óleo	17000

Distance of action point(mm)

uma	16.7
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Abutment and fillet dimensions

da (min)	56
Da (max)	74
ra (max)	1

Peso

(kg)	0.293
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Basic load ratings(duplex bearing) (N)

Cr	42000
Cor	44000

Basic load ratings(duplex bearing) (kgf)

Cr	4300
Cor	4450

Limiting Speed(duplex bearing) (rpm)

Graxa	10000
Óleo	14000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	33.4
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face-to-face arrangement	1.4
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Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	75
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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