

Single Row Angular Contact Ball Bearings

7000 Series-7011DT,7011DF,7011DB,7011C



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7011C
DB	7011DB
DF	7011DF
DT	7011DT

Dimensões principais (mm)

d	55
D	90
B	18
r (min)	1.1
r1(min)	0.6

Basic load ratings(N)

Cr	34000
Cor	28600

Classificações básicas de carga (kgf)

Cr	3500
Cor	2920

Valor

fo	15.4
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Velocidade limite (rpm)

Graxa	11000
Óleo	15000

Distance of action point(mm)

uma	18.7
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Abutment and fillet dimensions

da (min)	62
Da (max)	83
ra (max)	1

Peso

(kg)	0.43
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Basic load ratings(duplex bearing) (N)

Cr	55500
Cor	57500

Basic load ratings(duplex bearing) (kgf)

Cr	5650
Cor	5850

Limiting Speed(duplex bearing) (rpm)

Graxa	9000
Óleo	12000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	37.4
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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)	85
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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