

Single Row Angular Contact Ball Bearings

7000 Series-7012DT,7012DF,7012DB,7012A



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7012A
DB	7012DB
DF	7012DF
DT	7012DT

Dimensões principais (mm)

d	60
D	95
B	18
r (min)	1.1
r1(min)	0.6

Basic load ratings(N)

Cr	33000
Cor	29500

Classificações básicas de carga (kgf)

Cr	3350
Cor	3000

Valor

fo	16
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Velocidade limite (rpm)

Graxa	7100
Óleo	10000

Distance of action point(mm)

uma	31.4
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Abutment and fillet dimensions

da (min)	67
Da (max)	88
ra (max)	1

Peso

(kg)	0.417
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Basic load ratings(duplex bearing) (N)

Cr	53500
Cor	59000

Basic load ratings(duplex bearing) (kgf)

Cr	5450
Cor	6000

Limiting Speed(duplex bearing) (rpm)

Graxa	6000
Óleo	8000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	62.7
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face-to-face arrangement	26.7
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Installation dimensions(duplex bearing)

db (min)	65
Db(max)	90
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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