

Single Row Angular Contact Ball Bearings

7000 Series-7003DT,7003DF,7003DB,7003C



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7003C
DB	7003DB
DF	7003DF
DT	7003DT

Dimensiones principales (mm)

D	17
D	35
B	10
r (min)	0.3
r1(min)	0.15

Basic load ratings(N)

Cr	6600
Cor	3800

Clasificaciones de carga básica (kgf)

Cr	675
Cor	390

Valor

fo	14.5
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Velocidad límite (rpm)

Grasa	32000
Petróleo	43000

Distance of action point(mm)

a	8.5
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Abutment and fillet dimensions

da (min)	19.5
Da (máx.)	32.5
ra (máximo)	0.3

Peso

(kg)	0.044
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Basic load ratings(duplex bearing) (N)

Cr	10700
Cor	7600

Basic load ratings(duplex bearing) (kgf)

Cr	1100
Cor	775

Limiting Speed(duplex bearing) (rpm)

Grasa	26000
Petróleo	34000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	17
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face-to-face arrangement	3
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Installation dimensions(duplex bearing)

db (min)	sesenta y cinco
Db(max)	33.8
rb (máximo)	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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