

Single Row Angular Contact Ball Bearings

7000 Series-7019DT,7019DF,7019DB,7019A



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7019A
DB	7019DB
DF	7019DF
DT	7019DT

Dimensões principais (mm)

d	95
D	145
B	24
r (min)	1.5
r1(min)	1

Basic load ratings(N)

Cr	67000
Cor	67000

Classificações básicas de carga (kgf)

Cr	6800
Cor	6800

Valor

fo	16.1
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Velocidade limite (rpm)

Graxa	4500
Óleo	6300

Distance of action point(mm)

uma	46.6
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Abutment and fillet dimensions

da (min)	104
Da (max)	136
ra (max)	1.5

Peso

(kg)	143
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Basic load ratings(duplex bearing) (N)

Cr	109000
Cor	134000

Basic load ratings(duplex bearing) (kgf)

Cr	11100
Cor	13600

Limiting Speed(duplex bearing) (rpm)

Graxa	3800
Óleo	5000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	93.3
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face-to-face arrangement	45.3
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Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	139
rb (max)	1

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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