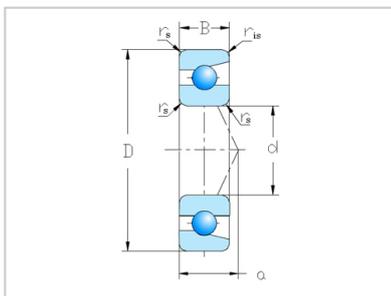


Single Row Angular Contact Ball Bearings

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



Bearing Numbers

Single row	7019C
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	73500
Cor	73000

Classificações básicas de carga (kgf)

Cr	7500
Cor	7450

Valor

fo	15.9
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Velocidade limite (rpm)

Graxa	6700
Óleo	9000

Distance of action point(mm)

uma	28.1
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Abutment and fillet dimensions

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

Peso

(kg)	1.42
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Basic load ratings(duplex bearing) (N)

Cr	119000
Cor	146000

Basic load ratings(duplex bearing) (kgf)

Cr	12200
Cor	14900

Limiting Speed(duplex bearing) (rpm)

Graxa	5300
Óleo	7500

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	561
face-to-face arrangement	8.1

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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