

Single Row Angular Contact Ball Bearings

7000 Series-7005DT,7005DF,7005DB,7005C



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7005C
DB	7005DB
DF	7005DF
DT	7005DT

Dimensões principais (mm)

d	25
D	47
B	12
r (min)	0.6
r1(min)	0.3

Basic load ratings(N)

Cr	11700
Cor	7400

Classificações básicas de carga (kgf)

Cr	1190
Cor	755

Valor

fo	14.7
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Velocidade limite (rpm)

Graxa	22000
Óleo	30000

Distance of action point(mm)

uma	10.8
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Abutment and fillet dimensions

da (min)	30
Da (max)	42
ra (max)	0.6

Peso

(kg)	0.089
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Basic load ratings(duplex bearing) (N)

Cr	19000
Cor	14800

Basic load ratings(duplex bearing) (kgf)

Cr	1940
Cor	1510

Limiting Speed(duplex bearing) (rpm)

Graxa	18000
Óleo	26000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	21.6
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face-to-face arrangement	2.4
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Installation dimensions(duplex bearing)

db (min)	1-1 / 16
Db(max)	44.5
rb (max)	0.3

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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