

Single Row Angular Contact Ball Bearings

7200 Series-7205DT,7205DF,7205DB,7205A



WUXI GUANGQIANG BEARING TRADE CO.,LTD

Bearing Numbers

Single row	7205A
DB	7205DB
DF	7205DF
DT	7205DT

Dimensiones principales (mm)

D	25
D	52
B	15
r (min)	1
r1(min)	0.6

Basic load ratings(N)

Cr	16200
Cor	10300

Clasificaciones de carga básica (kgf)

Cr	1650
Cor	1050

Valor

fo	14.4
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Velocidad límite (rpm)

Grasa	15000
Petróleo	20000

Distance of action point(mm)

a	18.6
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Abutment and fillet dimensions

da (min)	31
Da (máx.)	46
ra (máximo)	1

Peso

(kg)	0.13
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Basic load ratings(duplex bearing) (N)

Cr	26300
Cor	20500

Basic load ratings(duplex bearing) (kgf)

Cr	2690
Cor	2090

Limiting Speed(duplex bearing) (rpm)

Grasa	12000
Petróleo	16000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	37.2
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face-to-face arrangement	7.2
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Installation dimensions(duplex bearing)

db (min)	30
Db(max)	47
rb (máximo)	0.6

GQZ high quality 7200 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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