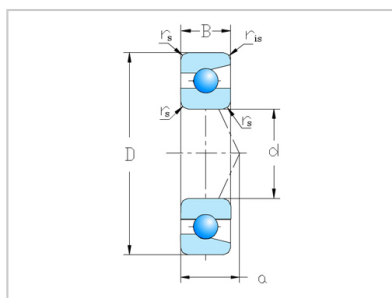


Single Row Angular Contact Ball Bearings

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



Bearing Numbers

Single row	<b>7205B</b>
DB	<b>7205DB</b>
DF	<b>7205DF</b>
DT	<b>7205DT</b>

Principal dimensions(mm)

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

Basic load ratings(N)

Cr	14800
Cor	9400

Basic load ratings(kgf)

Cr	1510
Cor	960

Value

fo	15
----	----

Limiting Speed (rpm)

Grease	10000
Oil	14000

Distance of action point(mm)

a	23.7
---	------

Abutment and fillet dimensions

da(min)	31
Da(max)	46
ra(max)	1

Weight

(kg)	0.133
------	-------

Basic load ratings(duplex bearing) (N)

Cr	24000
Cor	18800

Basic load ratings(duplex bearing) (kgf)

Cr	2450
Cor	1920

Limiting Speed(duplex bearing) (rpm)

Grease	8500
Oil	11000

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	47.3
--------------------------	------

face-to-face arrangement	17.3
--------------------------	------

Installation dimensions(duplex bearing)

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

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

Luoyang Auto Bearing Co.,Ltd-Tel:0598-3607100-Email:moore@lyautobearing.com-http://www.auto-bearing.com