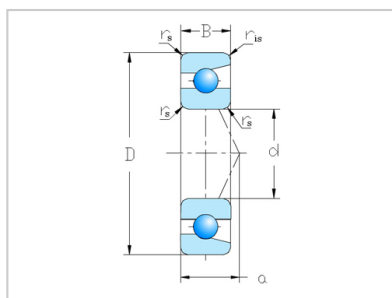


Single Row Angular Contact Ball Bearings

7200 Series-7202DT,7202DF,7202DB,7202C



Bearing Numbers

Single row	7202C
DB	7202DB
DF	7202DF
DT	7202DT

Principal dimensions(mm)

d	15
D	35
B	11
r(min)	0.6
r1(min)	0.3

Basic load ratings(N)

Cr	8650
Cor	4550

Basic load ratings(kgf)

Cr	885
Cor	460

Value

fo	13.2
----	------

Limiting Speed (rpm)

Grease	32000
Oil	45000

Distance of action point(mm)

a	8.8
---	-----

Abutment and fillet dimensions

da(min)	20
Da(max)	30
ra(max)	0.6

Weight

(kg)	0.052
------	-------

Basic load ratings(duplex bearing) (N)

Cr	14100
Cor	9050

Basic load ratings(duplex bearing) (kgf)

Cr	1440
Cor	925

Limiting Speed(duplex bearing) (rpm)

Grease	26000
Oil	36000

Distance of action point (duplex bearing)(a0)

back-to-back	17.7
--------------	------

arrangement

face-to-face	4.3
--------------	-----

arrangement

Installation dimensions(duplex bearing)

db(min)	-
Db(max)	32.5
rb(max)	0.3

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