

Single Row Angular Contact Ball Bearings

7200 Series-7206DT,7206DF,7206DB,7206A



Bearing Numbers

Single row	7206A
DB	7206DB
DF	7206DF
DT	7206DT

Principal dimensions(mm)

d	30
D	62
B	16
r(min)	1
r1(min)	0.6

Basic load ratings(N)

Cr	22500
Cor	14800

Basic load ratings(kgf)

Cr	2300
Cor	1510

Value

fo	14.4
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Limiting Speed (rpm)

Grease	12000
Oil	17000

Distance of action point(mm)

a	21.3
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Abutment and fillet dimensions

da(min)	36
Da(max)	56
ra(max)	1

Weight

(kg)	0.197
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Basic load ratings(duplex bearing) (N)

Cr	36500
Cor	29500

Basic load ratings(duplex bearing) (kgf)

Cr	3750
Cor	3000

Limiting Speed(duplex bearing) (rpm)

Grease	10000
Oil	13000

Distance of action point (duplex bearing)(a0)

back-to-back	42.6
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arrangement

face-to-face	10.6
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arrangement

Installation dimensions(duplex bearing)

db(min)	35
Db(max)	57
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

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