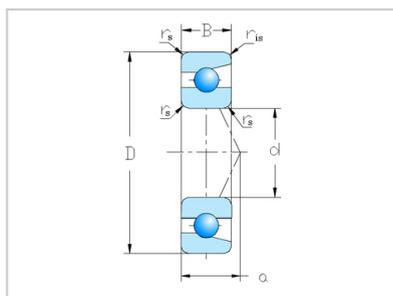


Single Row Angular Contact Ball Bearings

7300 Series-7306DT,7306DF,7306DB,7306A



Bearing Numbers

Single row	7306A
DB	7306DB
DF	7306DF
DT	7306DT

Principal dimensions(mm)

d	30
D	72
B	19
r(min)	1.1
r1(min)	0.6

Basic load ratings(N)

Cr	33500
Cor	20900

Basic load ratings(kgf)

Cr	3450
Cor	2130

Value

fo	13.6
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Limiting Speed (rpm)

Grease	9000
Oil	12000

Distance of action point(mm)

a	24.2
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Abutment and fillet dimensions

da(min)	37
Da(max)	65
ra(max)	1

Weight

(kg)	0.346
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Basic load ratings(duplex bearing) (N)

Cr	54500
Cor	41500

Basic load ratings(duplex bearing) (kgf)

Cr	5600
Cor	4250

Limiting Speed(duplex bearing) (rpm)

Grease	7100
Oil	9500

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	48.4
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face-to-face arrangement	10.4
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Installation dimensions(duplex bearing)

db(min)	35
Db(max)	67
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