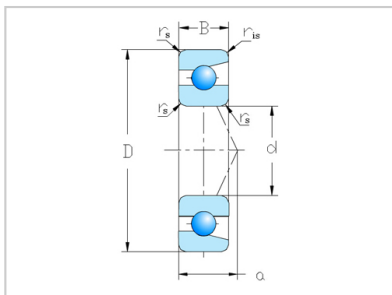


Single Row Angular Contact Ball Bearings

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



Bearing Numbers

Single row	<b>7306B</b>
DB	<b>7306DB</b>
DF	<b>7306DF</b>
DT	<b>7306DT</b>

Principal dimensions(mm)

d	<b>30</b>
D	72
B	19
r(min)	1.1
r1(min)	0.6

Basic load ratings(N)

Cr	31000
Cor	19300

Basic load ratings(kgf)

Cr	3150
Cor	1960

Value

fo	14.2
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Limiting Speed (rpm)

Grease	8000
Oil	11000

Distance of action point(mm)

a	30.9
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Abutment and fillet dimensions

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

Weight

(kg)	0.354
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Basic load ratings(duplex bearing) (N)

Cr	50500
Cor	38500

Basic load ratings(duplex bearing) (kgf)

Cr	5150
Cor	3950

Limiting Speed(duplex bearing) (rpm)

Grease	6300
Oil	8500

Distance of action point (duplex bearing)(a0)

back-to-back arrangement	61.8
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face-to-face arrangement	23.8
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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

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