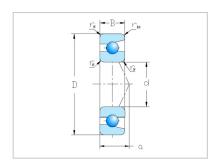
Single Row Angular Contact Ball Bearings

7000 Series-7000DT,7000DF,7000DB,7000A







Bearing Numbers	
Single row	7000A
DB	7000DB
DF	7000DF
DT	7000DT
Principal dimensions(m	
d	10
D D	26
В	8
=	0.3
r(min)	
r1(min)	0.15
Basic load ratings(N)	5250
Cr	5350
Cor	2600
Basic load ratings(kgf)	
Cr	550
Cor	266
Value	
fo	13.2
Limiting Speed (rpm)	
Grease	32000
Oil	43000
Distance of action point(mm)	
a	9.2
Abutment and fillet dim	ensions
da(min)	12.5
Da(max)	23.5
ra(max)	0.3
Weight	
(kg)	0.019
Basic load ratings(duple	ex bearing) (N)
Cr	8750
Cor	5200
Basic load ratings(duple	
Cr	890
Cor	530
Limiting Speed(duplex I	
Grease	24000
Oil	34000
Distance of action point	
back-to-back	18.4
	10.4
arrangement	2.4
face-to-face	2.4
arrangement	
Installation dimensions(duplex bearing)	

## **Download PDF Of Dimension and Parameters**

db(min)	11.2
Db(max)	24.8
rb(max)	0.15

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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