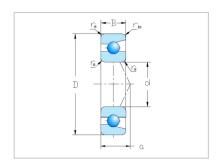
Single Row Angular Contact Ball Bearings

7000 Series-7000DT,7000DF,7000DB,7000C







Bearing Numbers	
Single row	7000C
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)	5200
Cr	5300
Cor	2490
Basic load ratings(kgf)	
Cr	540
Cor	254
Value	
fo	12.6
Limiting Speed (rpm)	
Grease	45000
Oil	63000
Distance of action point(mm)	
a	6.4
Abutment and fillet dim	ensions
da(min)	12.5
Da(max)	23.5
ra(max)	0.3
Weight	
(kg)	0.021
Basic load ratings(duplex bearing) (N)	
Cr	8650
Cor	5000
Basic load ratings(duple	
Cr	880
Cor	510
Limiting Speed(duplex I	
Grease	36000
Oil	50000
Distance of action point	
back-to-back	12.8
arrangement	12.0
face-to-face	3.2
arrangement	J.2
Installation dimensions(duplex bearing)	
installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	ago
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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