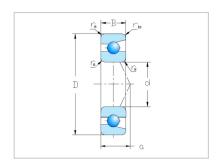
Single Row Angular Contact Ball Bearings

7000 Series-7007DT,7007DF,7007DB,7007C







Bearing Numbers	
Single row	7007C
DB	7007DB
DF	7007DF
DT	7007DT
Principal dimensions(mm)	
d	35
D	62
В	14
r(min)	1
r1(min)	0.6
Basic load ratings(N)	
Cr	19100
Cor	13700
Basic load ratings(kgf)	
Cr	1950
Cor	1390
Value	
fo	15
Limiting Speed (rpm)	
Grease	17000
Oil	22000
Distance of action point(mm)	
a	13.5
Abutment and fillet dim	
da(min)	41
Da(max)	56
ra(max)	1
Weight	
(kg)	0.173
Basic load ratings(duplex bearing) (N)	
Cr	31000
Cor	27300
Basic load ratings(duplex bearing) (kgf)	
Cr	3150
Cor	2790
Limiting Speed(duplex	
Grease	13000
Oil	19000
Distance of action point	
back-to-back	27
arrangement	1
face-to-face	1
arrangement	
Installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	-
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

Luoyang Auto Bearing Co.,Ltd-Tel:0598-3607100-Email:moore@lyautobearing.com-http://www.auto-bearing.com