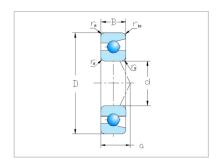
Single Row Angular Contact Ball Bearings

7000 Series-7004DT,7004DF,7004DB,7004A







Bearing Numbers		
Single row	7004A	
DB	7004DB	
DF	7004DF	
DT	7004DT	
Principal dimensions(mr		
d	20	
D	42	
В	12	
r(min)	0.6	
r1(min)	0.3	
Basic load ratings(N)	0.5	
Cr	10800	
Cor	6600	
	0000	
Basic load ratings(kgf)	1110	
Cr	1110	
Cor	670	
Value	145	
fo	14.5	
Limiting Speed (rpm)	10000	
Grease	18000	
Oil	24000	
Distance of action point		
a	14.9	
Abutment and fillet dim		
da(min)	25	
Da(max)	37	
ra(max)	0.6	
Weight		
(kg)	0.068	
Basic load ratings(duplex bearing) (N)		
Cr	17600	
Cor	13200	
Basic load ratings(duplex bearing) (kgf)		
Cr	1800	
Cor	1340	
Limiting Speed(duplex b		
Grease	15000	
Oil	20000	
Distance of action point		
back-to-back	29.9	
arrangement		
face-to-face	5.9	
arrangement		
Installation dimensions(duplex bearing)		

Download PDF Of Dimension and Parameters

db(min)	22.5	
Db(max)	39.5	
rb(max)	0.3	

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