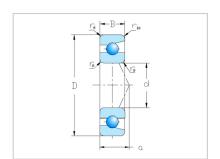
Single Row Angular Contact Ball Bearings

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







Bearing Numbers	
Single row	7004C
DB	7004DB
DF	7004DF
DT	7004DT
Principal dimensions(m	
d	20
D D	42
В	12
=	0.6
r(min)	
r1(min)	0.3
Basic load ratings(N)	11100
Cr	11100
Cor	6550
Basic load ratings(kgf)	
Cr	1130
Cor	665
Value	
fo	14
Limiting Speed (rpm)	
Grease	26000
Oil	36000
Distance of action point(mm)	
a	10.1
Abutment and fillet dim	ensions
da(min)	25
Da(max)	37
ra(max)	0.6
Weight	
(kg)	0.076
Basic load ratings(duplex bearing) (N)	
Cr	18000
Cor	13100
Basic load ratings(duple	
Cr	1840
Cor	1330
Limiting Speed(duplex I	
Grease	20000
Oil	30000
Distance of action point	
back-to-back	20.3
arrangement	20.5
face-to-face	3.7
arrangement	5.7
Installation dimensions(duplex bearing)	
installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	-
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

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