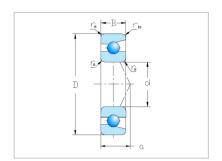
Single Row Angular Contact Ball Bearings

7200 Series-7200DT,7200DF,7200DB,7200B







Bearing Numbers	
Single row	7200B
DB	7200D 7200DB
DF	7200DF
DT	7200DT 7200DT
Principal dimensions(m	
d	10
D D	30
В	9
=	0.6
r(min)	
r1(min)	0.3
Basic load ratings(N)	E000
Cr	5000
Cor	2500
Basic load ratings(kgf)	510
Cr	510
Cor	255
Value	
fo	14.4
Limiting Speed (rpm)	
Grease	20000
Oil	28000
Distance of action point	
a	12.9
Abutment and fillet dim	
da(min)	15
Da(max)	25
ra(max)	0.6
Weight	
(kg)	0.032
Basic load ratings(duplex bearing) (N)	
Cr	8100
Cor	5000
Basic load ratings(duplex bearing) (kgf)	
Cr	825
Cor	510
Limiting Speed(duplex bearing) (rpm)	
Grease	16000
Oil	22000
Distance of action point	(duplex bearing)(a0)
back-to-back	25.8
arrangement	
face-to-face	7.8
arrangement	
Installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	12.5
Db(max)	27.5
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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