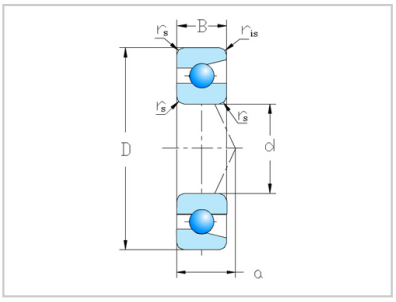
Single Row Angular Contact Ball Bearings

7200 Series-7204DT,7204DF,7204DB,7204C





Bearing Numbers	
Single row	**7204C**
DB	**7204DB**
DF	**7204DF**
DT	**7204DT**
Principal dimensions(mm)	
d	**20**
D	47
B	14
r(min)	1
r1(min)	0.6
Basic load ratings(N)	
Cr	14600
Cor	8050
Basic load ratings(kgf)	
Cr	1480
Cor	825
Value	
fo	13.2
Limiting Speed (rpm)	
Grease	24000
Oil	34000
Distance of action point(mm)	
a	11.5
Abutment and fillet dimensions	
da(min)	26
Da(max)	41
ra(max)	1
Weight	
(kg)	0.118
Basic load ratings(duplex bearing) (N)	
Cr	23600
Cor	16100
Basic load ratings(duplex bearing) (kgf)	
Cr	2410
Cor	1650
Limiting Speed(duplex bearing) (rpm)	
Grease	19000
Oil	26000
Distance of action point (duplex bearing)(a0)	
back-to-back arrangement	23
face-to-face arrangement	5
Installation dimensions(duplex bearing)	

db(min)	-
Db(max)	42
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

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