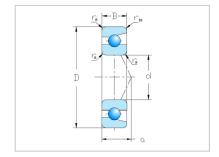
Single Row Angular Contact Ball Bearings

7900 Series-7904DT,7904DF,7904DB,7904C







Bearing Numbers		
Single row	7904C	
DB	7904DB	
DF	7904DF	
DT	7904DT	
Principal dimensions(mm)		
d	20	
D	37	
В	9	
r(min)	0.3	
r1(min)	0.15	
Basic load ratings(N)	COF 0	
Cr	6950	
Cor	4250	
Basic load ratings(kgf)	710	
Cr	710	
Cor Value	430	
fo	14.9	
Limiting Speed (rpm)	14.9	
Grease	28000	
Oil	38000	
Distance of action point		
a	8.3	
Abutment and fillet dim		
da(min)	22.5	
Da(max)	34.5	
ra(max)	0.3	
Weight		
(kg)	0.036	
Basic load ratings(duple	ex bearing) (N)	
Cr	11300	
Cor	8500	
Basic load ratings(duplex bearing) (kgf)		
Cr	1150	
Cor	865	
Limiting Speed(duplex bearing) (rpm)		
Grease	22000	
Oil	32000	
Distance of action point		
back-to-back	16.6	
arrangement		
face-to-face	1.4	
arrangement		
Installation dimensions(duplex bearing)		

db(min)	ago
Db(max)	35.8
rb(max)	0.15

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.autobearing.com