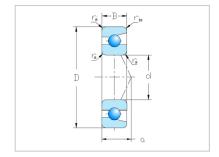
Single Row Angular Contact Ball Bearings

7200 Series-7205DT,7205DF,7205DB,7205C







Bearing Numbers		
Single row	7205C	
DB	7205DB	
DF	7205DF	
DT	7205DT	
Principal dimensions(mm)		
d	25	
D	52	
В	15	
r(min)	1	
r1(min)	0.6	
Basic load ratings(N)		
Cr	16600	
Cor	10200	
Basic load ratings(kgf)		
Cr	1690	
Cor	1040	
Value		
fo	14	
Limiting Speed (rpm)		
Grease	22000	
Oil	28000	
Distance of action point(mm)		
а	12.7	
Abutment and fillet dime	ensions	
da(min)	31	
Da(max)	46	
ra(max)	1	
Weight		
(kg)	0.143	
Basic load ratings(duple	x bearing) (N)	
Cr	27000	
Cor	20400	
Basic load ratings(duplex bearing) (kgf)		
Cr	2750	
Cor	2080	
Limiting Speed(duplex b	earing) (rpm)	
Grease	17000	
Oil	24000	
Distance of action point	(duplex bearing)(a0)	
back-to-back	25.3	
arrangement		
face-to-face	4.7	
arrangement		
Installation dimensions(duplex bearing)		

db(min)	ago
Db(max)	47
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

Luoyang Auto Bearing Co.,Ltd-Tel:0598-3607100-Email:moore@lyautobearing.com-http://www.autobearing.com