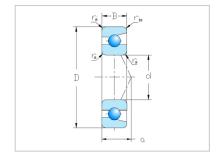
## Single Row Angular Contact Ball Bearings

7300 Series-7305DT,7305DF,7305DB,7305B







Bearing Numbers		
Single row	7305B	
DB	7305DB	
DF	7305DF	
DT	7305DT	
Principal dimensions(mm)		
d	25	
D	62	
В	17	
r(min)	1.1	
r1(min)	0.6	
Basic load ratings(N)	24400	
Cr	24400	
Cor	14600	
Basic load ratings(kgf)	2400	
Cr	2490	
Cor Value	1490	
fo	14.1	
	14.1	
Limiting Speed (rpm) Grease	9000	
Oil	13000	
Distance of action point		
a	26.7	
Abutment and fillet dim		
da(min)	32	
Da(max)	55	
ra(max)	1	
Weight	-	
(kg)	0.241	
Basic load ratings(duple		
Cr	39500	
Cor	29300	
Basic load ratings(duplex bearing) (kgf)		
Cr	4050	
Cor	2980	
Limiting Speed(duplex bearing) (rpm)		
Grease	7500	
Oil	10000	
Distance of action point		
back-to-back	53.5	
arrangement		
face-to-face	19.5	
arrangement		
Installation dimensions(duplex bearing)		

db(min)	30
Db(max)	57
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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