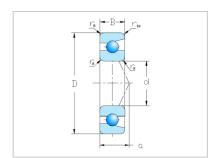
Single Row Angular Contact Ball Bearings

7900 Series-7904DT,7904DF,7904DB,7904A5







Bearing Numbers	
Single row	7904A5
DB	7904DB
DF	7904DF
DT	7904DT
Principal dimensions(m	
d	20
D D	37
В	9
	0.3
r(min)	
r1(min)	0.15
Basic load ratings(N)	6600
Cr	6600
Cor	4050
Basic load ratings(kgf)	
Cr	675
Cor	410
Value	
fo	15.2
Limiting Speed (rpm)	
Grease	24000
Oil	32000
Distance of action point(mm)	
a	11.1
Abutment and fillet dim	ensions
da(min)	22.5
Da(max)	34.5
ra(max)	0.3
Weight	
(kg)	0.036
Basic load ratings(duple	
Cr	10700
Cor	8100
Basic load ratings(duple	
Cr	1090
Cor	825
Limiting Speed(duplex	
Grease	19000
Oil	26000
Distance of action point	
back-to-back	22.3
	22.5
arrangement	4.2
face-to-face	4.3
arrangement	
Installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

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

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