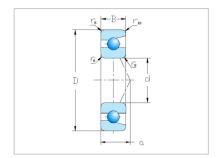
Single Row Angular Contact Ball Bearings

7900 Series-7901DT,7901DF,7901DB,7901C







Bearing Numbers	
Single row	7901C
DB	7901DB
DF	7901DF
DT	7901DT
Principal dimensions(mr	
d	12
D	24
В	6
r(min)	0.3
r1(min)	0.15
Basic load ratings(N)	0.15
Cr	3350
Cor	1860
Basic load ratings(kgf)	1800
Cr	340
Cor	189
Value	147
fo	14.7
Limiting Speed (rpm)	45000
Grease	45000
Oil	63000
Distance of action point	
a	5.4
Abutment and fillet dim	
da(min)	14.5
Da(max)	21.5
ra(max)	0.3
Weight	
(kg)	0.011
Basic load ratings(duplex bearing) (N)	
Cr	5450
Cor	3700
Basic load ratings(duplex bearing) (kgf)	
Cr	555
Cor	380
Limiting Speed(duplex b	pearing) (rpm)
Grease	36000
Oil	50000
Distance of action point	(duplex bearing)(a0)
back-to-back	10.8
arrangement	
face-to-face	1.2
arrangement	
Installation dimensions(duplex bearing)	
-	

Download PDF Of Dimension and Parameters

db(min)	ago
Db(max)	22.8
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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