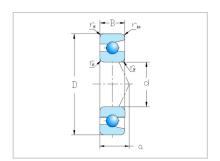
Single Row Angular Contact Ball Bearings

7900 Series-7902DT,7902DF,7902DB,7902A5







Bearing Numbers	
Single row	7902A5
DB	7902DB
DF	7902DF
DT	7902DT
Principal dimensions(m	
d	15
D D	28
В	7
=	0.3
r(min)	
r1(min)	0.15
Basic load ratings(N)	4550
Cr	4550
Cor	2530
Basic load ratings(kgf)	
Cr	465
Cor	258
Value	
fo	14.8
Limiting Speed (rpm)	
Grease	32000
Oil	43000
Distance of action point(mm)	
a	8.5
Abutment and fillet dim	ensions
da(min)	17.5
Da(max)	25.5
ra(max)	0.3
Weight	
(kg)	0.015
Basic load ratings(duple	
Cr	7400
Cor	5050
Basic load ratings(duple	
Cr	755
Cor	515
Limiting Speed(duplex	
Grease	26000
Oil	34000
Distance of action point	
back-to-back	17
	17
arrangement	2
face-to-face	3
arrangement	
Installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	-
Db(max)	26.8
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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