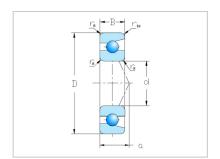
Single Row Angular Contact Ball Bearings

7300 Series-7302DT,7302DF,7302DB,7302B







Bearing Numbers	
Single row	7302B
DB	7302DB
DF	7302DF
DT	7302DT
Principal dimensions(mr	
d	15
D	42
В	13
r(min)	1
r1(min)	0.6
Basic load ratings(N)	0.0
Cr	12500
Cor	6600
	0000
Basic load ratings(kgf)	1270
Cr	1270
Cor	670
Value	12.6
fo	13.6
Limiting Speed (rpm)	14000
Grease	14000
Oil	19000
Distance of action point	
a	18.5
Abutment and fillet dim	
da(min)	21
Da(max)	36
ra(max)	1
Weight	
(kg)	0.086
Basic load ratings(duplex bearing) (N)	
Cr	20200
Cor	13200
Basic load ratings(duplex bearing) (kgf)	
Cr	2060
Cor	1340
Limiting Speed(duplex b	- ·
Grease	11000
Oil	15000
Distance of action point	
back-to-back	36.9
arrangement	
face-to-face	10.9
arrangement	
Installation dimensions(duplex bearing)	

Download PDF Of Dimension and Parameters

db(min)	20
Db(max)	37
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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