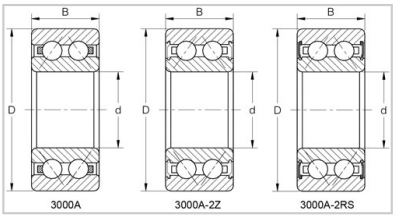
Double Row Angular Contact Ball Bearings

5300 Series-5312





Designation	**5312**
Principal dimensions(mm)	
d	60
D	130
B	54
r(min)	2.1
Basic load ratings(KN)	
Cr	125000
Cor	98500
Basic load ratings(kgf)	
Cr	12800
Cor	10000
Limiting Speed (rpm)	
Grease	3400
Oil	4500
Distance of action point	
a0(mm)	69.2
Installation dimensions(mm)	
da(min)	72
Da(max)	118
ra(max)	**2**
Weight	
(kg)	3.15

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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