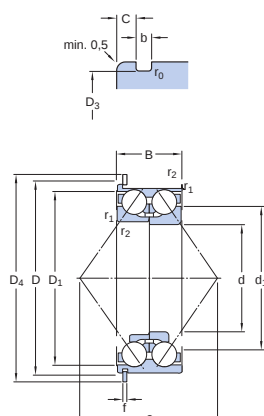


3311 DNRCBM

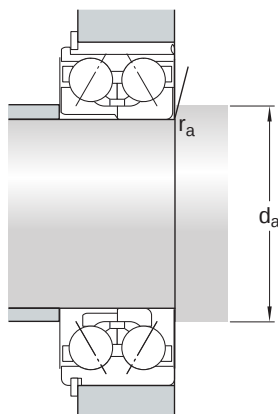
Double row angular contact ball bearings, with snap ring and split inner ring, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement. The snap ring, fitted in an annular groove in the outer ring, facilitates axial location of the bearings within their housings. The split inner ring enables incorporation of more balls, resulting in higher load carrying capacity.



- Snap ring facilitates axial location within housing
- Accommodate very high axial loads in both directions, radial loads, and tilting moments
- Suitable where a stiff bearing arrangement is required
- Require less axial space than equivalent pair of single row angular contact ball bearings



Dimensions		
d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	49.2 mm	Width
d ₁	≈ 81.55 mm	Shoulder diameter inner ring for two-piece inner ring
D ₁	≈ 105.43 mm	Shoulder diameter outer ring
D ₃	115.2 mm	Snap ring groove diameter at outer ring
D ₄	129.7 mm	Outside diameter snap ring
C	4.9 mm	Distance outer ring side face - snap ring groove
b	3.1 mm	Width snap ring groove outer ring
f	2.82 mm	Width snap ring
r ₀	max. 0.6 mm	Snap ring groove bottom radius
r _{1,2}	min. 2 mm	Chamfer dimension inner ring for two-piece inner ring
a	97 mm	Distance pressure point(s)



Abutment dimensions

d_a	min. 66 mm	Abutment diameter shaft
r_a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	95.6 kN
Basic static load rating	C_0	83 kN
Fatigue load limit	P_u	3.55 kN
Reference speed		6 000 r/min
Limiting speed		5 300 r/min
Calculation factor	k_r	0.095
Limiting value	e	1.14
Calculation factor	X	0.57
Calculation factor	Y_0	0.52
Calculation factor	Y_1	0.55
Calculation factor	Y_2	0.93

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6, P5
- Internal clearance: table, drawing no

BEARING INTERFACES

- Seat tolerances for standard conditions

- Tolerances and resultant fit

AGA BEARINGS