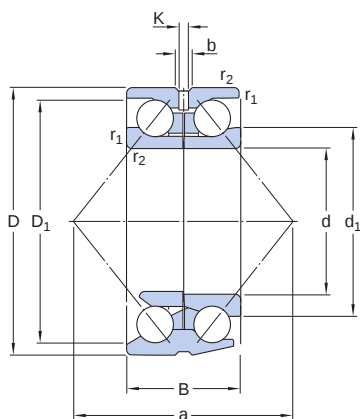


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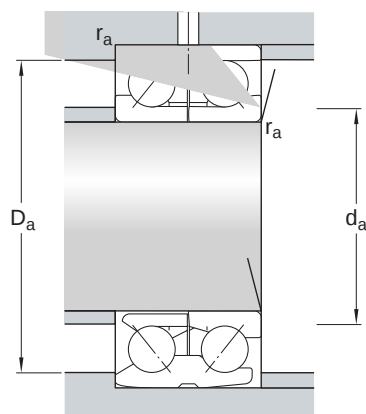
Double row angular contact ball bearing, with two-piece inner ring and relubrication feature, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement. The two-piece inner ring enables incorporation of more balls, resulting in higher load carrying capacity. The annular lubrication groove and holes in the outer ring facilitates relubrication.



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



Dimensions		
d	200 mm	Bore diameter
D	279.5 mm	Outside diameter
B	76 mm	Width
d ₁	≈ 230 mm	Shoulder diameter inner ring for two-piece inner ring
D ₁	≈ 261.9 mm	Shoulder diameter outer ring
b	13.9 mm	Width annular lubrication groove at outer ring
K	7.5 mm	Diameter lubrication hole (outer ring)
r _{1,2}	min. 2.1 mm	Chamfer dimension inner ring for two-piece inner ring
a	174 mm	Distance pressure point(s)



Abutment dimensions

d_a	min. 205 mm	Abutment diameter shaft
D_a	max. 260 mm	Abutment diameter housing
r_a	max. 2.1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	242 kN
Basic static load rating	C_0	380 kN
Fatigue load limit	P_u	10.4 kN
Reference speed		1 900 r/min
Limiting speed		2 400 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