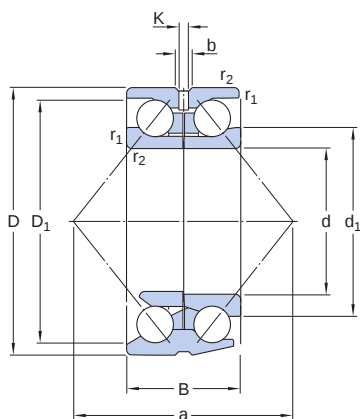


305272 D

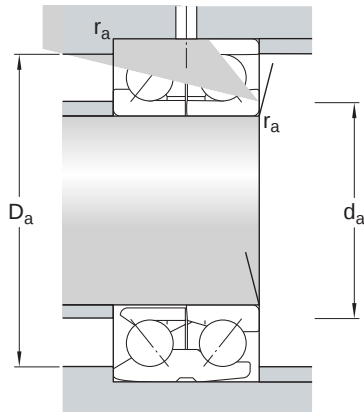
Double row angular contact ball bearing, with two-piece inner ring and relubrication feature, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement. The two-piece inner ring enables incorporation of more balls, resulting in higher load carrying capacity. The annular 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	220 mm	Bore diameter
D	309.5 mm	Outside diameter
B	76 mm	Width
d ₁	≈ 252.5 mm	Shoulder diameter inner ring for two-piece inner ring
D ₁	≈ 286 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	204 mm	Distance pressure point(s)



Abutment dimensions

d_a	min. 225 mm	Abutment diameter shaft
D_a	max. 284 mm	Abutment diameter housing
r_a	max. 2.1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	312 kN
Basic static load rating	C_0	520 kN
Fatigue load limit	P_u	13.4 kN
Reference speed		2 000 r/min
Limiting speed		2 000 r/min
Calculation factor	k_r	0.095
Limiting value	e	0.86
Calculation factor	X	0.62
Calculation factor	Y_0	0.63
Calculation factor	Y_1	0.73
Calculation factor	Y_2	1.17

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