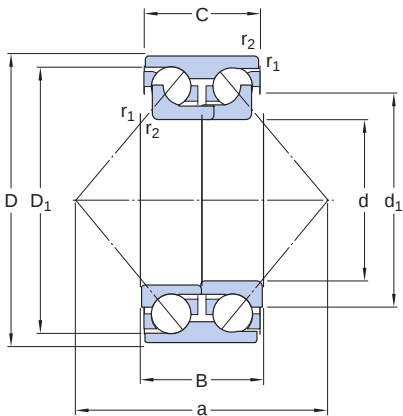


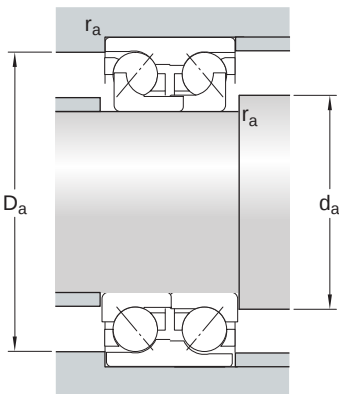
305608

Double row angular contact ball bearings, with wide and split inner ring, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. Because of the split inner ring, they incorporate a larger number of balls, and have a larger contact angle, giving the bearings a high load carrying capacity, especially in the axial direction.

- Wide inner ring
- Accommodate very high axial loads in both directions, radial loads, and tilting moments
- Suitable where a stiff bearing arrangement is required



Dimensions		
d	160 mm	Bore diameter
D	215 mm	Outside diameter
B	56 mm	Width
C	50 mm	Width outer ring
d ₁	≈ 181 mm	Shoulder diameter inner ring for two-piece inner ring
D ₁	≈ 203.1 mm	Shoulder diameter outer ring
r _{1,2}	min. 2 mm	Chamfer dimension inner ring for two-piece inner ring
a	185 mm	Distance pressure point(s)



Abutment dimensions		
d _a	min. 165 mm	Abutment diameter shaft
D _a	max. 201 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	135 kN
Basic static load rating	C ₀	220 kN
Fatigue load limit	P _u	6.8 kN
Reference speed		2 800 r/min
Limiting speed		3 000 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