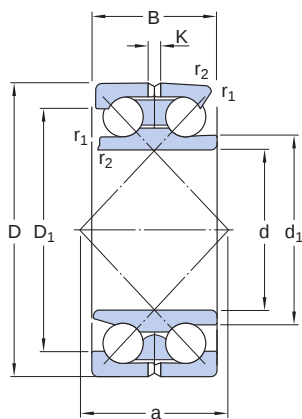


305183

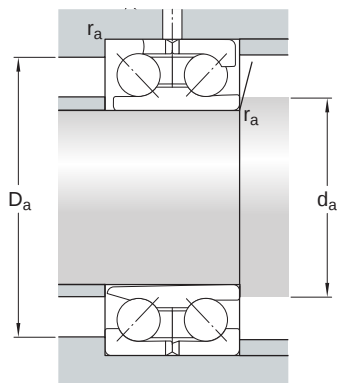
Double row angular contact ball bearings, with split outer ring, correspond to a pair of single row angular contact ball bearings in a face-to-face arrangement, while requiring less axial space. They can operate at very high speeds and are more suitable than deep groove ball bearings for supporting large axial forces.



- Split outer ring
- 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	160 mm	Bore diameter
D	240 mm	Outside diameter for two-piece outer ring
B	76 mm	Width
d ₁	≈ 178.3 mm	Shoulder diameter inner ring
D ₁	≈ 209.4 mm	Shoulder diameter for two-piece outer ring
K	5 mm	Radius of lubrication hole in two-piece outer ring (to be multiplied by two to get 'K')
r _{1,2}	min. 2 mm	Chamfer dimension inner ring
a	206 mm	Distance pressure point(s)



Abutment dimensions		
d _a	min. 165 mm	Abutment diameter shaft
D _a	max. 208 mm	Abutment diameter housing
r _a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	234 kN
Basic static load rating	C ₀	335 kN
Fatigue load limit	P _u	10 kN
Reference speed		2 600 r/min
Limiting speed		2 800 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