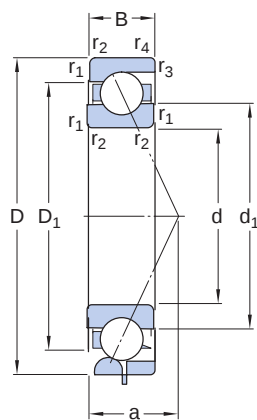


718/670 ACMB

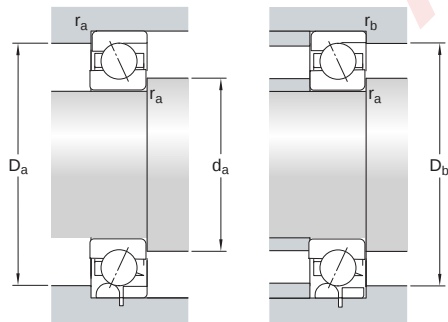


These single row angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They can operate at high speeds and, depending on the variant, even very high speeds. They are more suitable than deep groove ball bearings for supporting large axial forces acting in one direction.

- High-speed capability
- Accommodate relatively high radial loads and large unilateral axial loads



Dimensions		
d	670 mm	Bore diameter
D	820 mm	Outside diameter
B	69 mm	Width
d ₁	≈ 720.5 mm	Shoulder diameter of inner ring (large side face)
D ₁	≈ 771 mm	Shoulder diameter of outer ring (large side face)
a	208 mm	Distance side face to pressure point
r _{1,2}	min. 4 mm	Chamfer dimension
r _{3,4}	min. 1.5 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 685 mm	Diameter of shaft abutment
D _a	max. 805 mm	Abutment diameter housing
D _b	max. 813 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of fillet
r _b	max. 1.5 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	553 kN
Basic static load rating	C ₀	1 290 kN
Fatigue load limit	P _u	22.4 kN
Reference speed		700 r/min
Limiting speed		750 r/min
Minimum axial load factor	A	9.48
Minimum radial load factor	k _r	0.08
Limiting value	e	0.68

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal (), P6, P5, Normal (inch)
- Internal clearance: CA+CB+CC, G
- Preload: GA+GB+GC

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit