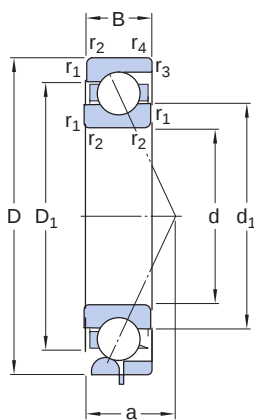


70/670 AMB

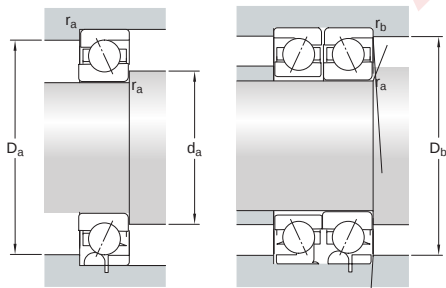


These single row angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They can operate at high speeds and, depending on the variant, even very high speeds. They are more suitable than deep groove ball bearings for 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	980 mm	Outside diameter
B	136 mm	Width
d ₁	≈ 772.6 mm	Shoulder diameter of inner ring (large side face)
D ₁	≈ 868.2 mm	Shoulder diameter of outer ring (large side face)
a	306 mm	Distance side face to pressure point
r _{1,2}	min. 7.5 mm	Chamfer dimension
r _{3,4}	min. 4 mm	Chamfer dimension



Abutment dimensions		
da	min. 698 mm	Diameter of shaft abutment
Da	max. 952 mm	Abutment diameter housing
Db	max. 965 mm	Diameter of housing abutment
ra	max. 6 mm	Radius of fillet
rb	max. 3 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 170 kN
Basic static load rating	C ₀	3 100 kN
Fatigue load limit	P _u	45.5 kN
Reference speed		600 r/min
Minimum axial load factor	A	71.3
Minimum radial load factor	k _r	0.085
Limiting value	e	0.8

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