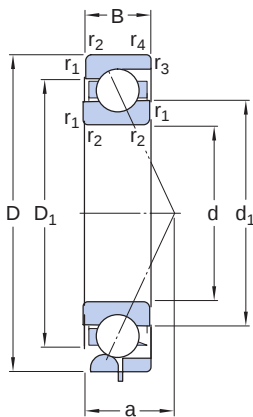


718/600 AMB

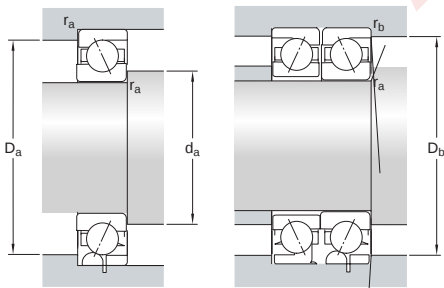


These single row angular contact ball bearings can accommodate radial and axial loads acting simultaneously, where the axial load acts in one direction only. They can operate at high speeds and, depending on the variant, even very high speeds. They are more suitable than deep groove ball bearings for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

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



Dimensions		
d	600 mm	Bore diameter
D	730 mm	Outside diameter
B	60 mm	Width
d ₁	≈ 643.1 mm	Shoulder diameter of inner ring (large side face)
D ₁	≈ 689.3 mm	Shoulder diameter of outer ring (large side face)
a	222 mm	Distance side face to pressure point
r _{1,2}	min. 3 mm	Chamfer dimension
r _{3,4}	min. 1.1 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 612 mm	Diameter of shaft abutment
D _a	max. 718 mm	Abutment diameter housing
D _b	max. 725 mm	Diameter of housing abutment
r _a	max. 2.5 mm	Radius of fillet
r _b	max. 1 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	449 kN
Basic static load rating	C ₀	1 100 kN
Fatigue load limit	P _u	18.3 kN
Reference speed		800 r/min
Limiting speed		850 r/min
Minimum axial load factor	A	8.45
Minimum radial load factor	k _r	0.08
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