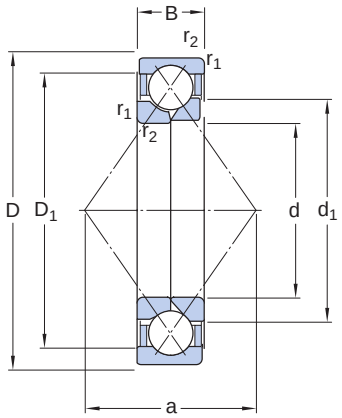
QJ 1248 MA/344524

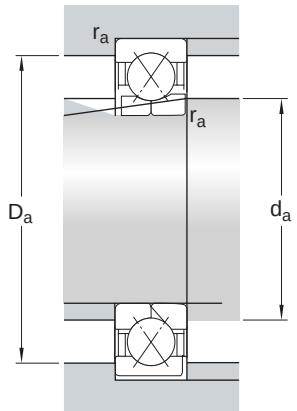
Four-point contact ball bearings can accommodate high axial loads in both directions and small radial loads. They can operate at very high speeds and are more suitable than deep groove ball bearings for supporting large axial forces. The outer ring, with ball and cage assembly, can be mounted separately from the two inner ring halves.

- High-speed capability
- Accommodate high axial loads in both directions and small radial loads
- Require considerably less axial space than double row angular contact ball bearings



Dimensions

d	240 mm	Bore diameter
D	440 mm	Outside diameter
B	85 mm	Width
d_1	≈ 316 mm	Shoulder diameter inner ring
D_1	≈ 364 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	340 mm	Distance pressure point(s)
$r_{1,2}$	min. 4 mm	Chamfer dimension inner ring



Abutment dimensions

d_a	min. 258 mm	Abutment diameter shaft
D_a	max. 422 mm	Abutment diameter housing
r_a	max. 3 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	663 kN
Basic static load rating	C_0	1 220 kN
Fatigue load limit	P_u	28 kN
Limiting speed		2 400 r/min
Calculation factor	A	9.01
Limiting value	e	1.34
Calculation factor	X	0.54
Calculation factor	Y_0	0.44
Calculation factor	Y_1	0.47
Calculation factor	Y_2	0.81

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6
- Internal clearance: table

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit