



QJ 209 MA

Popular item
SKF Explorer

Angular contact ball bearings, four-point contact ball bearings

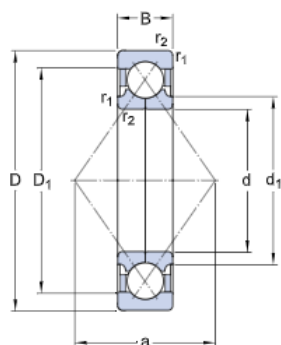
Bearing data

[Tolerances](#),
Normal, P6,
[Internal clearance](#),
table

Bearing interfaces

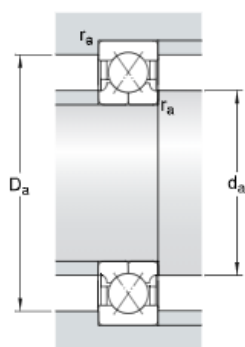
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	45 mm
D	85 mm
B	19 mm
d ₁	≈ 54.5 mm
D ₁	≈ 72 mm
a	46 mm
r _{1,2}	min. 1.1 mm



ABUTMENT DIMENSIONS

d _a	min. 52 mm
D _a	max. 78 mm
r _a	max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	63 kN
Basic static load rating	C ₀	56 kN
Fatigue load limit	P _u	2.36 kN
Limiting speed		14000 r/min
Calculation factor	A	0.00871
Calculation factor	e	0.95
Calculation factor	X	0.6
Calculation factor	Y ₀	0.58
Calculation factor	Y ₁	0.66
Calculation factor	Y ₂	1.07

MASS

Mass bearing		0.52 kg
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More information

Product details	Engineering information	Tools
Designs and variants	General bearing knowledge	Bearing Select
Bearing data	Bearing selection process	SimPro Quick
Loads	Bearing interfaces	Engineering Calculator
Temperature limits	Seat tolerances for standard conditions	LubeSelect for SKF greases
Permissible speed	Selecting internal clearance or preload	Heater selection tool
Design considerations	Lubrication	Rolling bearings mounting and dismounting instructions
Designation system	External sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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