



QJ 209 MA Angular contact ball bearings, four-point contact ball bearings

Product name

- SKF Explorer

Angular contact ball bearings, four-point contact ball bearings

Bearing data

Tolerances,

Normal, P6,

Internal clearance,

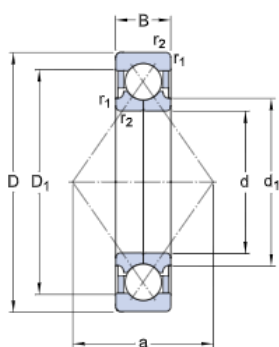
table

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

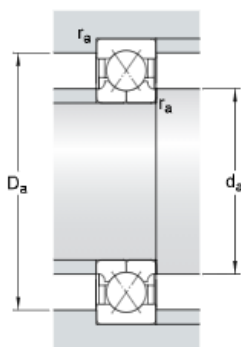


DIMENSIONS

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
d ₁	≈ 54.5 mm	Shoulder diameter inner ring
D ₁	≈ 72 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	46 mm	Distance pressure point(s)
r _{1,2}	min. 1.1 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d _a min. 52 mm	Abutment diameter shaft
D _i max. 78 mm	Abutment diameter housing
r _a max. 1 mm	Fillet radius



CALCULATION DATA

C	63 kN	Basic dynamic load rating
C ₀	56 kN	Basic static load rating
P _u	2.36 kN	Fatigue load limit
	14 000 r/min	Limiting speed
A	0.009	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	Calculation factor

MASS

	0.52 kg	Mass bearing
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