



QJ 210 MA Angular contact ball bearings, four-point contact ball bearings

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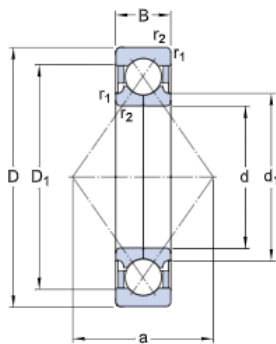
Bearing data

Tolerances, Normal, P6, Internal clearance, table

Bearing interfaces

Seat tolerances for standard conditions, Tolerances and resultant fit

Technical specification

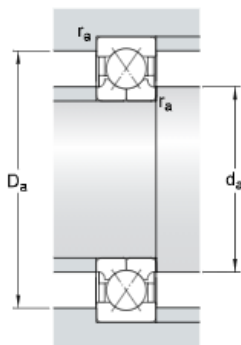


DIMENSIONS

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
d ₁	≈ 59.5 mm	Shoulder diameter inner ring
D ₁	≈ 76.5 mm	Shoulder diameter outer ring/inner diameter housing washer
a	49 mm	Distance pressure point(s)
r _{1,2}	min. 1.1 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d _a	min. 57 mm	Abutment diameter shaft
D _i	max. 83 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius



CALCULATION DATA

C	65.5 kN	Basic dynamic load rating
C ₀	61 kN	Basic static load rating
P _u	2.6 kN	Fatigue load limit
	13 000 r/min	Limiting speed
A	0.01	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

	0.59 kg	Mass bearing
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