



QJ 211 MA Angular contact ball bearings, four-point contact ball bearings

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Bearing data

[Tolerances](#),

Normal, P6,

[Internal clearance](#),

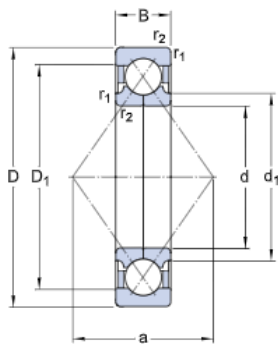
table

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

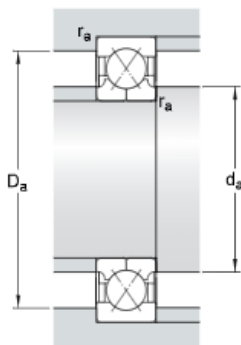


DIMENSIONS

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
d_1	≈ 66 mm	Shoulder diameter inner ring
D1	≈ 84.7 mm	Shoulder diameter outer ring/ inner diameter housing washer
a	54 mm	Distance pressure point(s)
$r_{1,2}$	min. 1.5 mm	Chamfer dimension inner ring

ABUTMENT DIMENSIONS

d_a	min. 64 mm	Abutment diameter shaft
D_i	max. 91 mm	Abutment diameter housing
r_a	max. 1.5 mm	Fillet radius



CALCULATION DATA

C	85 kN	Basic dynamic load rating
C ₀	83 kN	Basic static load rating
P _u	3.55 kN	Fatigue load limit
	11 000 r/min	Limiting speed
A	0.017	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

	0.77 kg	Mass bearing
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