

# QJ 220 N2MA Angular contact ball bearings, four-point contact ball bearings

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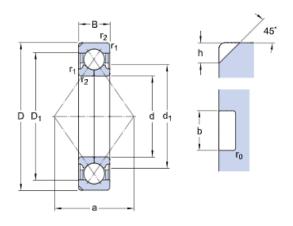
Bearing data Tolerances, Normal, P6, Internal clearance,

table

Bearing interfaces Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification



## **DIMENSIONS**

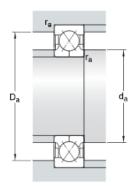
d	100 mm
D	180 mm
В	34 mm
$d_1$	≈ 127 mm
$D_1$	≈ 153 mm
a	98 mm
h	10.1 mm
b	8.5 mm
$r_0$	2 mm
r <sub>1,2</sub>	min. 2.1 mm

### ABUTMENT DIMENSIONS

$d_a$	min. 112 mm
D <sub>a</sub>	max. 168 mm
r <sub>a</sub>	max. 2 mm







## CALCULATION DATA

Basic dynamic load rating	С	236 kN
Basic static load rating	$C_0$	265 kN
Fatigue load limit	$P_{u}$	9.5 kN
Limiting speed		6 300 r/min
Calculation factor	Α	0.176
Calculation factor	е	0.95
Calculation factor	Χ	0.6
Calculation factor	$Y_0$	0.58
Calculation factor	Y <sub>1</sub>	0.66
Calculation factor	Y <sub>2</sub>	1.07

## MASS

Mass bearing	4.05 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	Heater selection tool	
Design considerations	or preload	Rolling bearings mounting	
Designation system	Lubrication	and dismounting instructions	
	External sealing, mounting and dismounting		
	Bearing failure and how to prevent it		





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