

3222 A

Popular item

Angular contact ball bearings, double row

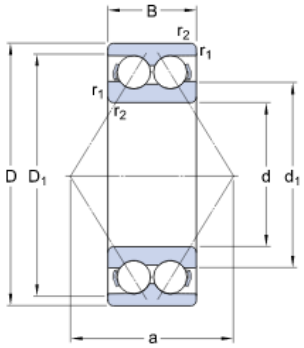
Bearing data

Tolerances,
Normal, P6, P5,
Internal clearance,
table, drawing no

Bearing interfaces

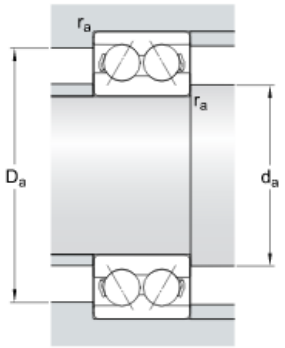
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	110 mm
D	200 mm
B	69.8 mm
d_1	≈ 139.25 mm
D_1	≈ 173.7 mm
$r_{1,2}$	min. 2.1 mm
a	119 mm



ABUTMENT DIMENSIONS

d_a	min. 122 mm
D_a	max. 188 mm
r_a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	212 kN
Basic static load rating	C_0	212 kN
Fatigue load limit	P_u	7.2 kN
Reference speed		3400 r/min
Limiting speed		2800 r/min
Calculation factor	k_r	0.06
Calculation factor	e	0.8
Calculation factor	X	0.63
Calculation factor	Y_0	0.66
Calculation factor	Y_1	0.78
Calculation factor	Y_2	1.24

MASS

Mass bearing	8.8 kg

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing interfaces
- Seat tolerances for standard conditions
- Selecting internal clearance or preload
- Lubrication
- Sealing, mounting and dismounting
- Bearing failure and how to prevent it

Tools

- Bearing Select
- SimPro Quick
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool
- Rolling bearings mounting and dismounting instructions

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