6210-2ZNR

SKF Explorer

Deep groove ball bearings

Bearing data

Tolerances,

Normal (metric), P6, P5, Normal (inch),

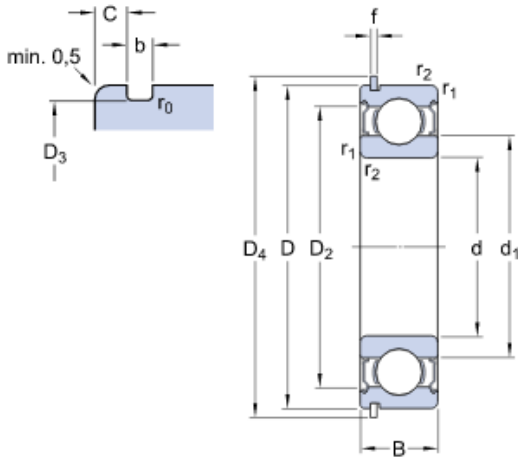Radial internal clearance,

Matched bearing pairs, Stainless steel
d < 10 mm, Other bearings

Bearing interfaces

Seat tolerances for standard
conditions,

Tolerances and resultant fits

Technical specification

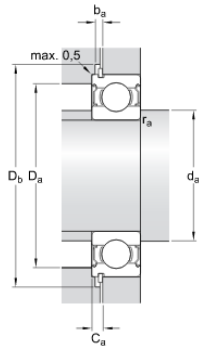### DIMENSIONS

d	50 mm
D	90 mm
B	20 mm
d_1	≈ 62.51 mm
D_2	≈ 81.61 mm
D_3	86.79 mm
D_4	96.5 mm
b	2.7 mm
C	3.28 mm
f	2.46 mm
r_0	max. 0.6 mm
$r_{1,2}$	min. 1.1 mm

ABUTMENT DIMENSIONS

d_a	min. 57 mm
d_a	max. 62.4 mm
D_a	max. 83 mm
D_b	min. 98 mm
b_a	min. 3 mm

C_a	max. 5.74 mm
r_a	max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	37.1 kN
Basic static load rating	C_0	23.2 kN
Fatigue load limit	P_u	0.98 kN
Reference speed		15000 r/min
Limiting speed		8000 r/min
Calculation factor	k_r	0.025
Calculation factor	f_0	14.4

MASS

Mass bearing	0.5 kg

INCLUDED PRODUCTS

Snap ring	SP 90

More information

Product details

- Single row deep groove ball bearings
- Stainless steel deep groove ball bearings
- Single row deep groove ball bearings with filling slots
- Double row deep groove ball bearings
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Designation system

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Engineering information

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

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Tools

- Bearing Select
- SimPro Quick
- Engineering Calculator
- LubeSelect for SKF greases
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