



6210-ZNR Deep groove ball bearings

- SKF Explorer

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

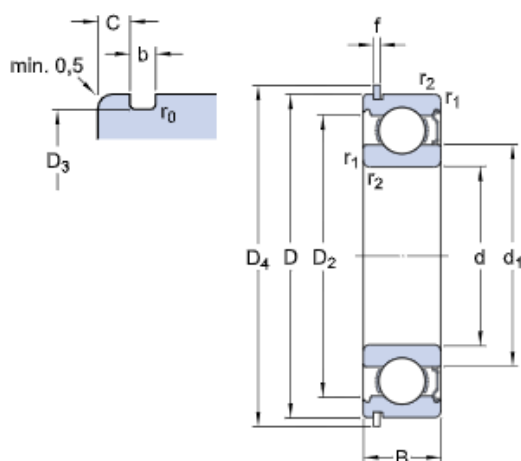
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

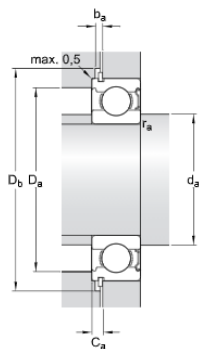


DIMENSIONS

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
d ₁	≈ 62.51 mm	Shoulder diameter
D ₂	≈ 81.61 mm	Recess diameter
D ₃	86.79 mm	Diameter of snap ring groove
D ₄	96.5 mm	Outside diameter of snap ring
b	2.7 mm	Width of snap ring groove
C	3.28 mm	Distance outer ring from side face to snap ring groove
f	2.46 mm	Width of snap ring
r ₀	max. 0.6 mm	Bottom radius of snap ring groove
r _{1,2}	min. 1.1 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 57 mm	Diameter of shaft abutment
d _a	max. 62.4 mm	Diameter of shaft abutment
D _a	max. 83 mm	Diameter of housing abutment



Db	min. 98 mm	Diameter of snap ring recess in the housing
ba	min. 3 mm	Width of snap ring recess in the housing
Ca	max. 5.74 mm	Distance from outer ring side face to snap ring back face
ra	max. 1 mm	Radius of shaft or housing fillet

CALCULATION DATA

C	37.1 kN	Basic dynamic load rating
C ₀	23.2 kN	Basic static load rating
P _u	0.98 kN	Fatigue load limit
	15 000 r/min	Reference speed
	10 000 r/min	Limiting speed
k _r	0.025	Minimum load factor
f ₀	14.4	Calculation factor

MASS

0.48 kg	Mass bearing
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INCLUDED PRODUCTS

SP 90	Snap ring
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TOLERANCE CLASS

P6	Dimensional tolerances
P6	Radial run-out