



NNF 5005 ADB-2LSV

- Popular item

Cylindrical roller bearings, double row,
full complement

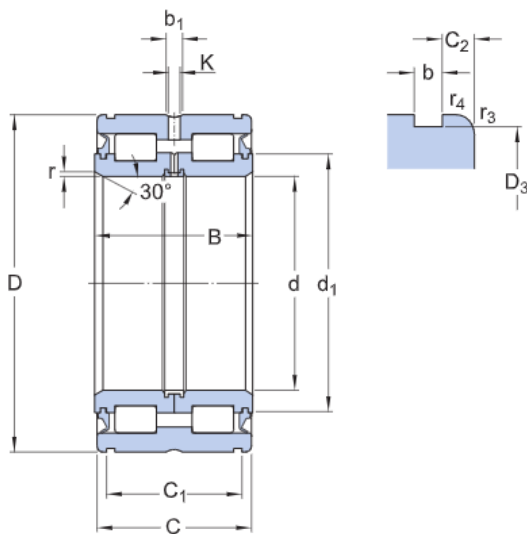
Bearing data

[Tolerances](#),
Normal,
[Radial internal clearance](#),
table,
[Axial internal clearance](#)

Bearing interfaces

[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification

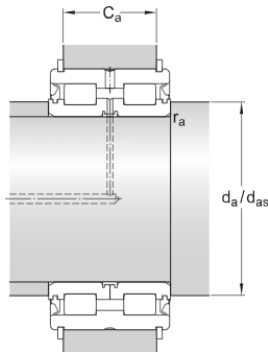


DIMENSIONS

d	25 mm	Bore diameter
D	47 mm	Outside diameter
B	30 mm	Width
C	29 mm	Outer ring width (sealed bearing)
d1	≈35.4 mm	Shoulder diameter inner ring
D ₃	45.2 mm	Snap ring groove diameter at outer ring
C1	24.7 mm	Distance between two snap ring grooves of the outer ring outside surface
Tolerance for distance C1	+0.2 mm	Tolerance for distance C1
C ₂	2.15 mm	Distance outer ring side face - snap ring groove (sealed bearing)
b	1.8 mm	Width snap ring groove outer ring
b ₁	6.5 mm	Width annular lubrication groove outer ring
K	3.5 mm	Diameter lubrication hole (outer ring)

r	min.0.5 mm	Chamfer dimension (sealed bearing)
r _{3,4}	min.0.3 mm	Chamfer dimension

ABUTMENT DIMENSIONS



d_a	min.29 mm	Abutment diameter shaft
d_{as}	33.6 mm	Abutment diameter shaft
C_{a1}	21.5 mm	Abutment width applying for SW snap rings (sealed brg.)
Tolerance for abutment C_a (SW snap rings)	-0.2 mm	Tolerance for abutment C_a (SW snap rings)
C_{a2}	21 mm	Abutment width applying for DIN 471 snap rings (sealed brg.)
Tolerance for abutment C_a (DIN 471 snap rings)	-0.2 mm	Tolerance for abutment C_a (DIN 471 snap rings)
r_a	max.0.3 mm	Fillet radius
C_{a1a2}		

CALCULATION DATA

Basic dynamic load rating	C	50.1 kN
Basic static load rating	C_0	65.5 kN
Fatigue load limit	P_u	6.8 kN
Limiting speed		3 000 r/min
Calculation factor	k_r	0.4

MASS

Mass bearing	0.24 kg
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ASSOCIATED PRODUCTS

Snap ring Seeger	SW 47
Snap ring in accordance with DIN 471	47x1.75

More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	LubeSelect for SKF greases
Permissible speed		Heater selection tool
Design considerations		Oil Injection Method Program
Designation system		Rolling bearings mounting and dismounting instructions

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