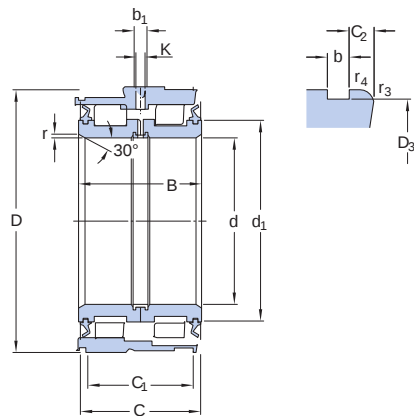


NNF 5036 ADA-2LSV

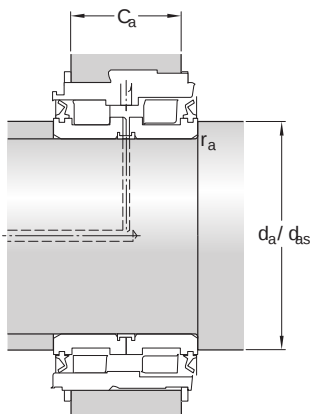
Double row full complement cylindrical roller bearings incorporate a maximum number of rollers and are therefore suitable for very heavy radial loads in combination with moderate speeds. Having three flanges on the two-piece inner ring and one central flange on the outer ring, NNF design bearings can locate the shaft axially in both directions. Two snap ring grooves in the outer ring simplify mounting and save space axially.



- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in both directions
- Sealed for increased reliability, with relubrication feature



Dimensions		
d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	136 mm	Width
C	135 mm	Outer ring width (sealed bearing)
d ₁	≈ 220 mm	Shoulder diameter inner ring
D ₃	274 mm	Snap ring groove diameter at outer ring
E	259 mm	Raceway diameter outer ring
C ₁	118.2 mm	Distance between two snap ring grooves of the outer ring outside surface
	+ 0.2 mm	Tolerance for distance C ₁
C ₂	8.4 mm	Distance outer ring side face - snap ring groove (sealed bearing)
b	5.2 mm	Width snap ring groove outer ring
b ₁	8.88 mm	Width annular lubrication groove outer ring
K	4 mm	Diameter lubrication hole (outer ring)
r	min. 2 mm	Chamfer dimension (sealed bearing)



$r_{3,4}$	min. 0.6 mm	Chamfer dimension
Abutment dimensions		
d_a	min. 187 mm	Abutment diameter shaft
d_{as}	214 mm	Abutment diameter shaft
C_{a1}	110 mm	Abutment width applying for SW snap rings (sealed brg.)
	- 0.2 mm	Tolerance for abutment C_a (SW snap rings)
C_{a2}	108 mm	Abutment width applying for DIN 471 snap rings (sealed brg.)
	- 0.2 mm	Tolerance for abutment C_a (DIN 471 snap rings)
r_a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	1 170 kN
Basic static load rating	C_0	2 120 kN
Fatigue load limit	P_u	228 kN
Limiting speed		450 r/min
Minimum load factor	k_r	0.4

Associated products

Snap ring Seeger	SW 280
Snap ring in accordance with DIN 471	280x5

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal
- Radial internal clearance: table
- Axial internal clearance

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit

AGA BEARINGS