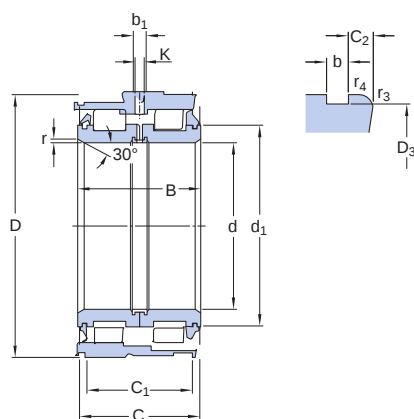


319444 B-2LS

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.

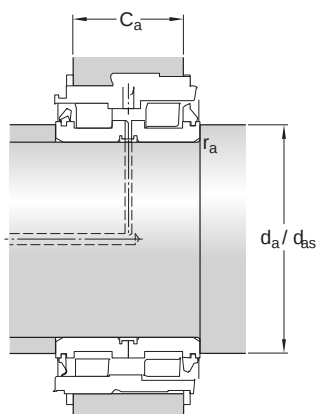


- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in both directions
- Sealed for increased reliability, with relubrication feature



Dimensions

d	220 mm	Bore diameter
D	300 mm	Outside diameter
B	95 mm	Width
C	94 mm	Outer ring width (sealed bearing)
d ₁	≈ 250 mm	Shoulder diameter inner ring
D ₃	295 mm	Snap ring groove diameter at outer ring
C ₁	83.2 mm	Distance between two snap ring grooves of the outer ring outside surface
	+ 0.2 mm	Tolerance for distance C ₁
C ₂	5.4 mm	Distance outer ring side face - snap ring groove (sealed bearing)
b	5.2 mm	Width snap ring groove outer ring
b ₁	7.86 mm	Width annular lubrication groove outer ring
K	6 mm	Diameter lubrication hole (outer ring)
r	min. 2 mm	Chamfer dimension (sealed bearing)
r _{3,4}	min. 1 mm	Chamfer dimension



Abutment dimensions

d_a	min. 227 mm	Abutment diameter shaft
d_{as}	246 mm	Abutment diameter shaft
C_{a1}	75 mm	Abutment width applying for SW snap rings (sealed brg.)
	- 0.2 mm	Tolerance for abutment C_a (SW snap rings)
C_{a2}	73 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. 1.5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	880 kN
Basic static load rating	C_0	1 860 kN
Fatigue load limit	P_u	186 kN
Limiting speed		380 r/min
Minimum load factor	k_r	0.4

Associated products

Snap ring Seeger	SW 300
Snap ring in accordance with DIN 471	300x5

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