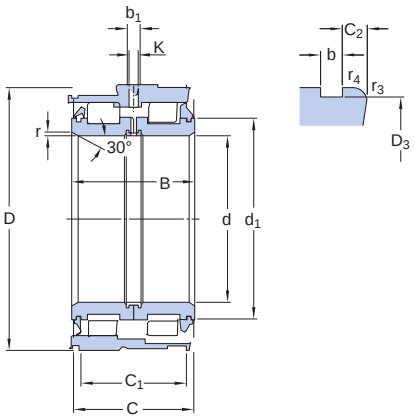
319440 B-2LS

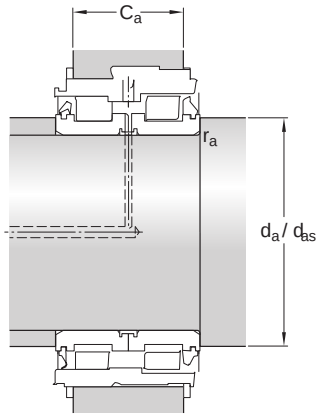
Double row full complement cylindrical roller bearings incorporate a maximum number of rollers and are therefore suitable for very heavy radial loads in combination with moderate speeds. Having three flanges on the two-piece inner ring and one central flange on the outer ring, NNF design bearings can 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	200 mm	Bore diameter
D	270 mm	Outside diameter
B	80 mm	Width
C	79 mm	Outer ring width (sealed bearing)
d_1	≈ 227.5 mm	Shoulder diameter inner ring
D_3	264 mm	Snap ring groove diameter at outer ring
C_1	73.2 mm	Distance between two snap ring grooves of the outer ring outside surface
	+ 0.2 mm	Tolerance for distance C_1
C_2	2.9 mm	Distance outer ring side face - snap ring groove (sealed bearing)
b	5.2 mm	Width snap ring groove outer ring
b_1	7 mm	Width annular lubrication groove outer ring
K	4 mm	Diameter lubrication hole (outer ring)
r	min. 1.8 mm	Chamfer dimension (sealed bearing)
$r_{3,4}$	min. 0.6 mm	Chamfer dimension



Abutment dimensions

d_a	min. 207 mm	Abutment diameter shaft
d_{as}	223 mm	Abutment diameter shaft
C_{a1}	65 mm	Abutment width applying for SW snap rings (sealed brg.)
	– 0.2 mm	Tolerance for abutment C_a (SW snap rings)
C_{a2}	63 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	627 kN
Basic static load rating	C_0	1 370 kN
Fatigue load limit	P_u	137 kN
Limiting speed		500 r/min
Minimum load factor	k_r	0.4

Associated products

Snap ring Seeger	SW 270
Snap ring in accordance with DIN 471	270x5

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