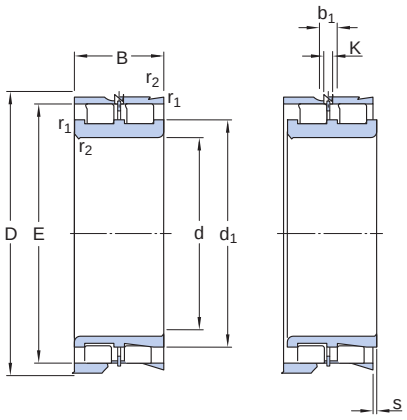
NNCL 4940 CV

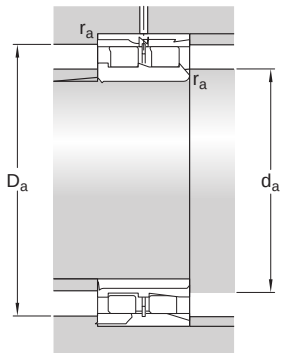
Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings.
Depending on the configuration of the outer and inner rings, the bearings are available in locating as well as non-locating designs.

- High to very high radial load carrying capacity
- Low friction
- Long service life



Dimensions

d	200 mm	Bore diameter
D	280 mm	Outside diameter
B	80 mm	Width
d_1	≈ 233 mm	Shoulder diameter inner ring
E	259.34 mm	Raceway diameter outer ring
b_1	8 mm	Width annular lubrication groove outer ring
K	4 mm	Diameter lubrication hole (outer ring)
s	max. 5 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other
$r_{1,2}$	min. 2.1 mm	Chamfer dimension (open bearings)



Abutment dimensions

d_a	min. 211 mm	Abutment diameter shaft
D_a	max. 269 mm	Abutment diameter housing
r_a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	704 kN
Basic static load rating	C_0	1 500 kN
Fatigue load limit	P_u	153 kN
Reference speed		1 000 r/min
Limiting speed		1 300 r/min
Minimum load factor	k_r	0.25

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