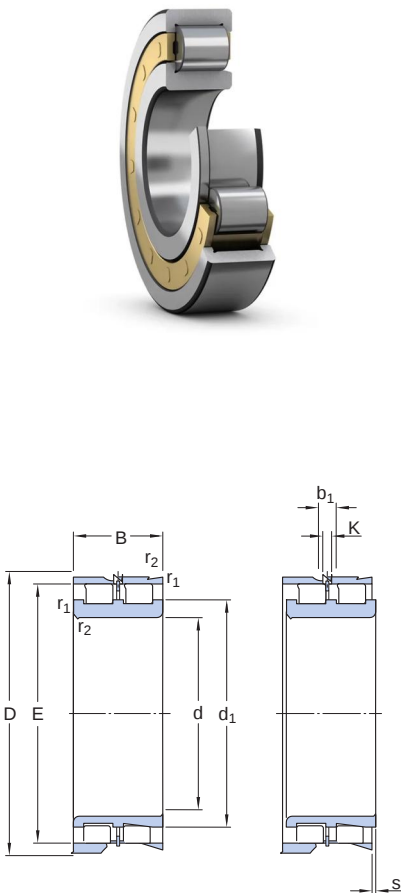


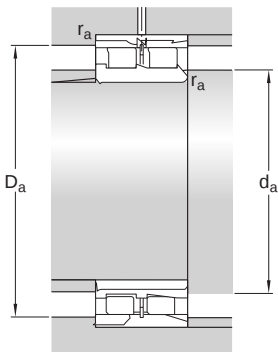
NNCL 4944 CV

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	220 mm	Bore diameter
D	300 mm	Outside diameter
B	80 mm	Width
d ₁	≈ 248 mm	Shoulder diameter inner ring
E	276.52 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. 232 mm	Abutment diameter shaft
D _a	max. 288 mm	Abutment diameter housing
r _a	max. 2 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	737 kN
Basic static load rating	C ₀	1 600 kN
Fatigue load limit	P _u	160 kN
Reference speed		950 r/min
Limiting speed		1 200 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