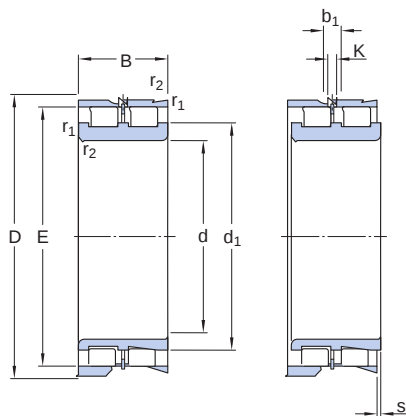


NNCL 4912 CV

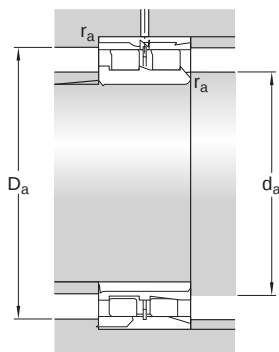


Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings. Depending on the configuration 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	60 mm	Bore diameter
D	85 mm	Outside diameter
B	25 mm	Width
d ₁	≈ 70.5 mm	Shoulder diameter inner ring
E	77.51 mm	Raceway diameter outer ring
b ₁	4.5 mm	Width annular lubrication groove outer ring
K	3.5 mm	Diameter lubrication hole (outer ring)
s	max. 1 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other
r _{1,2}	min. 1 mm	Chamfer dimension (open bearings)



Abutment dimensions		
d _a	min. 64.7 mm	Abutment diameter shaft
D _a	max. 80.5 mm	Abutment diameter housing
r _a	max. 1 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	78.1 kN
Basic static load rating	C ₀	137 kN
Fatigue load limit	P _u	14.3 kN
Reference speed		3 600 r/min
Limiting speed		4 500 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