

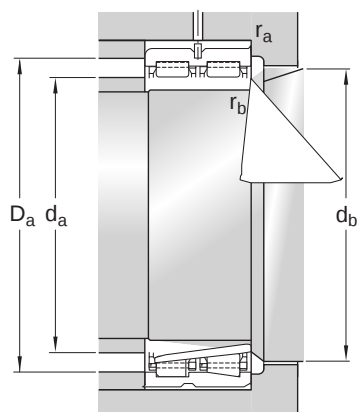
314419



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

Design variant/feature		NNU.3/C3W33WI	
		Dimensions	
d	500 mm	Bore diameter	
D	720 mm	Outside diameter	
B	218 mm	Overall bearing width	
D ₁	≈ 650 mm	Shoulder diameter outer ring	
F	554 mm	Raceway diameter inner ring	
b	22.3 mm	Width of annular groove	
K	12 mm	Diameter lubrication hole	
r _{1,2}	min. 6 mm	Chamfer dimension outer ring	
r _{3,4}	min. 13.5 mm	Chamfer dimension inner ring	
α	20 °	Chamfer angle inner ring	
s	max. 3.4 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other	



Abutment dimensions

d_a	min. 520 mm	Abutment diameter spacer sleeve
d_a	max. 547 mm	Abutment diameter spacer sleeve
d_b	min. 559 mm	Abutment diameter shaft
D_a	max. 694 mm	Abutment diameter spacer sleeve / housing
r_a	max. 5 mm	Fillet radius
r_b	max. 5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	4 730 kN
Basic static load rating	C_0	10 800 kN
Fatigue load limit	P_u	815 kN
Reference speed		600 r/min
Limiting speed		850 r/min
Calculation factor	k_r	0.29

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6, P5
- Radial internal clearance: cylindrical bore, tapered bore

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit