

NNU 41/500 M/W33

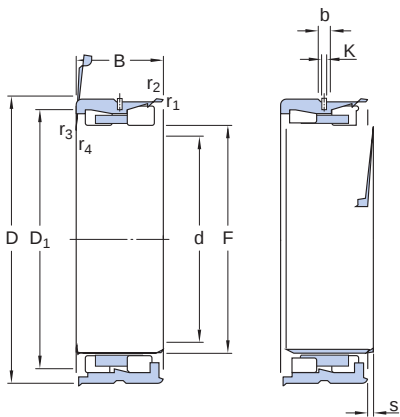


Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings. Depending on the configuration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

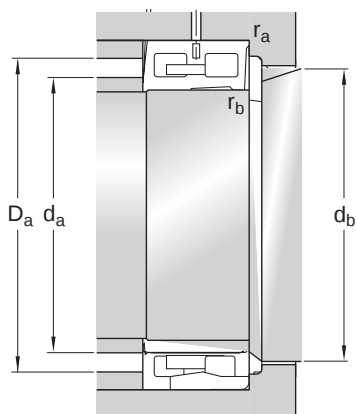
- High to very high radial load carrying capacity
- Low friction
- Long service life

Design variant/feature

NNU/W33



Dimensions		
d	500 mm	Bore diameter
D	830 mm	Outside diameter
B	325 mm	Overall bearing width
D ₁	≈ 734 mm	Shoulder diameter outer ring
F	582 mm	Raceway diameter inner ring
b	22.3 mm	Width of annular groove
K	12 mm	Diameter lubrication hole
r _{1,2}	min. 7.5 mm	Chamfer dimension outer ring
r _{3,4}	min. 7.5 mm	Chamfer dimension inner ring
s	max. 14.1 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other



Abutment dimensions

d_a	min. 533 mm	Abutment diameter spacer sleeve
d_a	max. 568 mm	Abutment diameter spacer sleeve
d_b	min. 587 mm	Abutment diameter shaft
D_a	max. 797 mm	Abutment diameter spacer sleeve / housing
r_a	max. 6 mm	Fillet radius
r_b	max. 6 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	7 480 kN
Basic static load rating	C_0	15 000 kN
Fatigue load limit	P_u	1 120 kN
Reference speed		600 r/min
Limiting speed		800 r/min
Calculation factor	k_r	0.33

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