

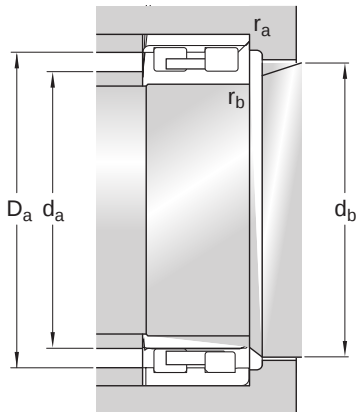
NNU 4164 F



Double row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having three flanges on the outer ring and no flanges on the inner ring, NNU design bearings can accommodate axial displacement in both directions. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- High radial load carrying capacity
- Low friction
- Long service life
- Separable design
- Accommodate axial displacement in both directions

Design variant/feature		NNU
Dimensions		
d	320 mm	Bore diameter
D	540 mm	Outside diameter
B	218 mm	Overall bearing width
D ₁	≈ 476 mm	Shoulder diameter outer ring
F	375 mm	Raceway diameter inner ring
r _{1,2}	min. 5 mm	Chamfer dimension outer ring
r _{3,4}	min. 5 mm	Chamfer dimension inner ring
s	max. 8.9 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other



Abutment dimensions

d_a	min. 340 mm	Abutment diameter spacer sleeve
d_a	max. 365 mm	Abutment diameter spacer sleeve
d_b	min. 379 mm	Abutment diameter shaft
D_a	max. 520 mm	Abutment diameter spacer sleeve / housing
r_a	max. 4 mm	Fillet radius
r_b	max. 4 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	3 690 kN
Basic static load rating	C_0	6 200 kN
Fatigue load limit	P_u	530 kN
Reference speed		1 000 r/min
Limiting speed		1 300 r/min
Calculation factor	k_r	0.13

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