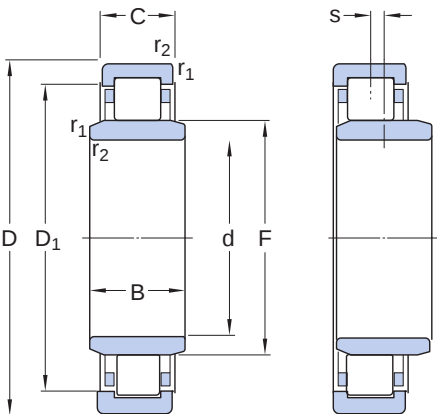


NUB 18/1000 MA/HB1

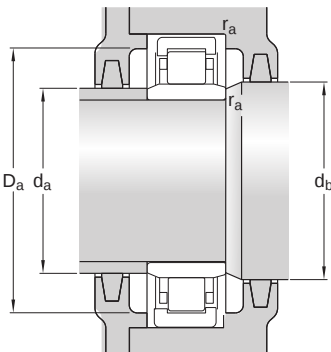
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and no flanges on the inner ring, NUB design bearings can accommodate axial displacement in both directions. The inner ring is extended on both sides, enabling larger axial displacements. 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
- Accommodate axial displacement in both directions
- Separable design



Dimensions		
d	1 000 mm	Bore diameter
D	1 220 mm	Outside diameter
B	100 mm	Width
C	100 mm	Width of outer ring
D ₁	≈ 1 143 mm	Shoulder diameter of outer ring
F	1 053 mm	Raceway diameter of inner ring
r _{1,2}	min. 6 mm	Chamfer dimension
s	max. 26 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 1 023 mm	Diameter of spacer sleeve
d _a	max. 1 040 mm	Diameter of spacer sleeve
d _b	min. 1 060 mm	Diameter of shaft abutment
D _a	max. 1 197 mm	Diameter of housing abutment

r_a max. 5 mm Radius of fillet

Calculation data

Basic dynamic load rating	C	2 640 kN
Basic static load rating	C_0	6 550 kN
Fatigue load limit	P_u	400 kN
Reference speed		400 r/min
Limiting speed		530 r/min
Minimum load factor	k_r	0.05
Limiting value	e	0.2
Calculation factor	Y	0.6

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal (), P6, Normal (inch)
- Radial internal clearance: cylindrical bore, tapered bore
- Axial internal clearance: NUP, NJ + HJ

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit