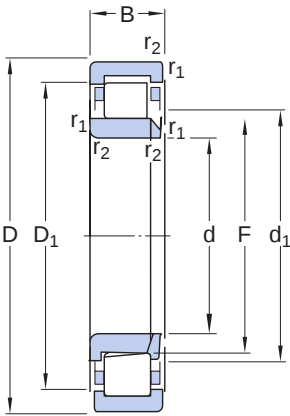


NUP 18/1000 MA/HB1

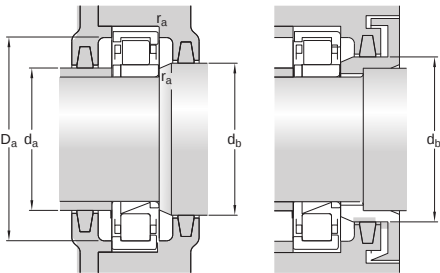
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one integral flange and one loose flange ring on the inner ring, NUP design bearings can locate the shaft axially in both directions. 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
- Locate the shaft axially in both directions
- Separable design



Dimensions		
d	1 000 mm	Bore diameter
D	1 220 mm	Outside diameter
B	100 mm	Width
d ₁	≈ 1 072 mm	Shoulder diameter of inner ring
D ₁	≈ 1 146 mm	Shoulder diameter of outer ring
F	1 053 mm	Raceway diameter of inner ring
r _{1,2}	min. 6 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 1 025 mm	Diameter of spacer sleeve
d _b	min. 1 080 mm	Diameter of shaft abutment
D _a	max. 1 196 mm	Diameter of housing abutment
r _a	max. 5 mm	Radius of fillet
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	0.2
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