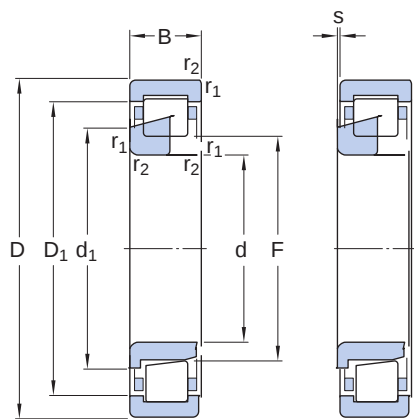


NJ 18/1120 ECMA

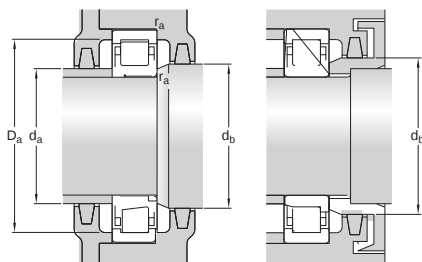
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one on the inner ring, NJ design bearings can accommodate axial displacement in one direction. An important feature is the separable 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 one direction
- Separable design



Dimensions		
d	1 120 mm	Bore diameter
D	1 360 mm	Outside diameter
B	106 mm	Width
d ₁	≈ 1 202 mm	Shoulder diameter of inner ring
D ₁	≈ 1 290 mm	Shoulder diameter of outer ring
F	1 182 mm	Raceway diameter of inner ring
r _{1,2}	min. 6 mm	Chamfer dimension
s	max. 9.8 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 1 143 mm	Diameter of spacer sleeve
d _a	max. 1 175 mm	Diameter of spacer sleeve
d _b	min. 1 210 mm	Diameter of shaft abutment
D _a	max. 1 337 mm	Diameter of housing abutment

r_a max. 5 mm Radius of fillet

Calculation data

Basic dynamic load rating	C	3 410 kN
Basic static load rating	C_0	8 650 kN
Fatigue load limit	P_u	510 kN
Reference speed		340 r/min
Limiting speed		430 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