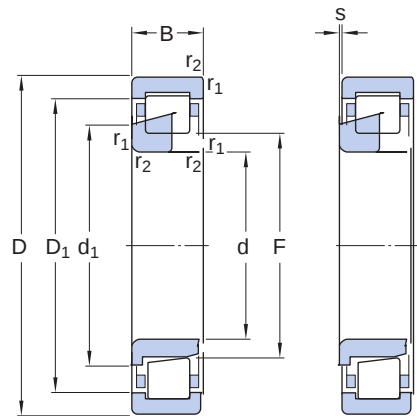


NJ 18/630 ECMA/HB1

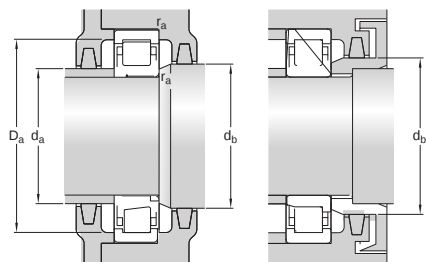
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one on the inner ring, NJ design bearings can accommodate axial displacement in one direction. An important feature is the separable 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	630 mm	Bore diameter
D	780 mm	Outside diameter
B	69 mm	Width
d ₁	≈ 682 mm	Shoulder diameter of inner ring
D ₁	≈ 724 mm	Shoulder diameter of outer ring
F	667 mm	Raceway diameter of inner ring
r _{1,2}	min. 4 mm	Chamfer dimension
s	max. 1.5 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 645 mm	Diameter of spacer sleeve
d _a	max. 662 mm	Diameter of spacer sleeve
d _b	min. 685 mm	Diameter of shaft abutment
D _a	max. 765 mm	Diameter of housing abutment

r_a max. 3 mm Radius of fillet

Calculation data

Basic dynamic load rating	C	1 100 kN
Basic static load rating	C_0	2 500 kN
Fatigue load limit	P_u	183 kN
Reference speed		750 r/min
Limiting speed		950 r/min
Minimum load factor	k_r	0.1
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