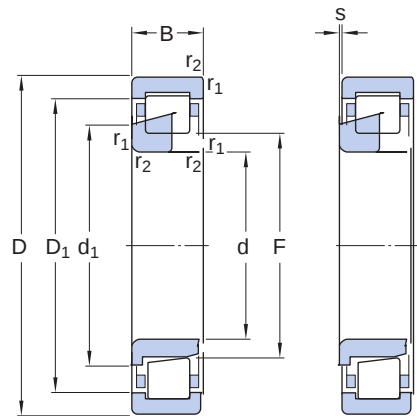


NJ 2896 ECMA

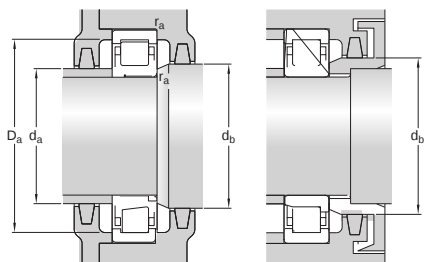
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one on the inner ring, NJ design bearings can accommodate axial displacement in one direction. An important feature is the separable 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	480 mm	Bore diameter
D	600 mm	Outside diameter
B	72 mm	Width
d ₁	≈ 519 mm	Shoulder diameter of inner ring
D ₁	≈ 563 mm	Shoulder diameter of outer ring
F	509.5 mm	Raceway diameter of inner ring
r _{1,2}	min. 3 mm	Chamfer dimension
s	max. 0.8 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 493 mm	Diameter of spacer sleeve
d _a	max. 504 mm	Diameter of spacer sleeve
d _b	min. 524 mm	Diameter of shaft abutment
D _a	max. 587 mm	Diameter of housing abutment

r_a max. 2.5 mm Radius of fillet

Calculation data

Basic dynamic load rating	C	1 100 kN
Basic static load rating	C_0	2 450 kN
Fatigue load limit	P_u	200 kN
Reference speed		1 000 r/min
Limiting speed		1 300 r/min
Minimum load factor	k_r	0.07
Limiting value	e	0.3
Calculation factor	Y	0.4

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