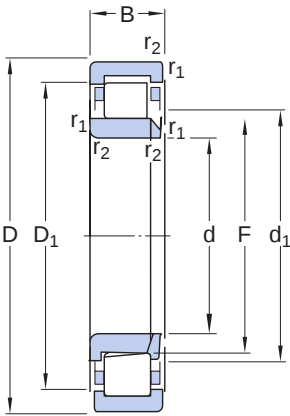


NUP 3992 ECMA

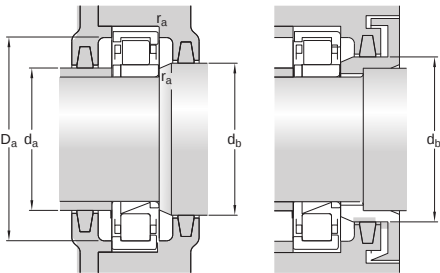
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the outer ring and one integral flange and one loose flange ring on the inner ring, NUP design bearings can locate the shaft axially in both directions. 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	460 mm	Bore diameter
D	620 mm	Outside diameter
B	118 mm	Width
d ₁	≈ 515 mm	Shoulder diameter of inner ring
D ₁	≈ 571 mm	Shoulder diameter of outer ring
F	501 mm	Raceway diameter of inner ring
r _{1,2}	min. 4 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 476 mm	Diameter of spacer sleeve
d _b	min. 520 mm	Diameter of shaft abutment
D _a	max. 604 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of fillet
r _a	max. 3 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	2 050 kN
Basic static load rating	C ₀	4 550 kN
Fatigue load limit	P _u	375 kN
Reference speed		850 r/min
Limiting speed		1 300 r/min
Minimum load factor	k _r	0.15
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