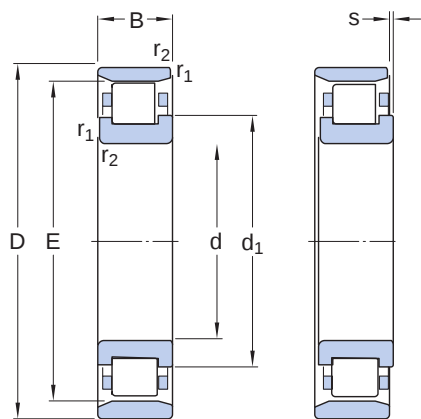


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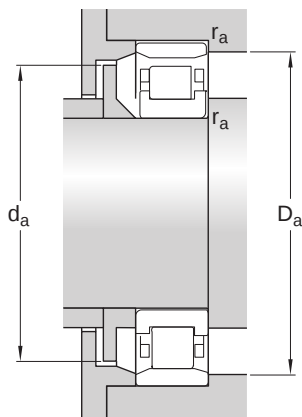
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the inner ring and no flanges on the outer ring, N design bearings can accommodate axial displacement in both directions. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.



- High radial load carrying capacity
- Low friction
- Long service life
- Accommodate axial displacement in both directions
- Separable design



Dimensions		
d	1 030 mm	Bore diameter
D	1 250 mm	Outside diameter
B	100 mm	Width
d ₁	≈ 1 110 mm	Shoulder diameter of inner ring
E	1 190 mm	Raceway diameter of outer ring
r _{1,2}	min. 6 mm	Chamfer dimension
s	max. 13 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 1 056 mm	Diameter of spacer sleeve
d _a	max. 1 178 mm	Diameter of spacer sleeve
D _a	min. 1 198 mm	Diameter of housing abutment
D _a	max. 1 224 mm	Diameter of housing abutment
r _a	max. 5 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 510 kN
Basic static load rating	C ₀	3 450 kN
Fatigue load limit	P _u	173 kN
Reference speed		320 r/min
Limiting speed		380 r/min
Minimum load factor	k _r	0.03
Limiting value	e	0.2
Calculation factor	Y	0

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