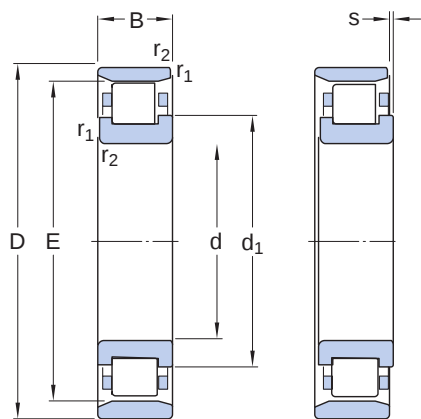


N 28/900 MB

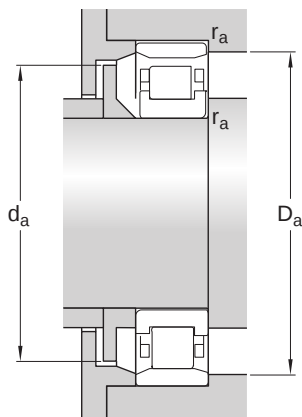
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the inner ring and no flanges on the outer ring, N design bearings can accommodate axial displacement in both directions. An important feature is the separable 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	900 mm	Bore diameter
D	1 090 mm	Outside diameter
B	112 mm	Width
d ₁	≈ 968 mm	Shoulder diameter of inner ring
E	1 045 mm	Raceway diameter of outer ring
r _{1,2}	min. 5 mm	Chamfer dimension
s	max. 9.4 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 918 mm	Diameter of spacer sleeve
d _a	max. 1 038 mm	Diameter of spacer sleeve
D _a	min. 1 051 mm	Diameter of housing abutment
D _a	max. 1 072 mm	Diameter of housing abutment
r _a	max. 4 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	2 700 kN
Basic static load rating	C ₀	7 200 kN
Fatigue load limit	P _u	475 kN
Reference speed		450 r/min
Limiting speed		600 r/min
Minimum load factor	k _r	0.06
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