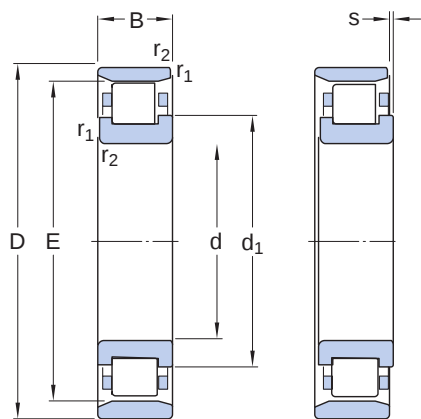


N 28/710 ECMB

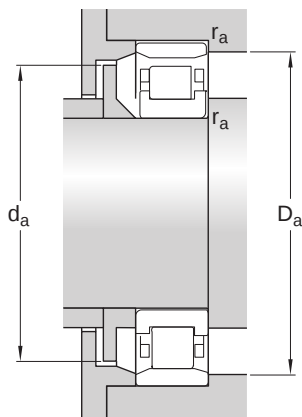
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the inner ring and no flanges on the outer ring, N design bearings can accommodate axial displacement in both directions. An important feature is the separable 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	710 mm	Bore diameter
D	870 mm	Outside diameter
B	95 mm	Width
d ₁	≈ 767 mm	Shoulder diameter of inner ring
E	831 mm	Raceway diameter of outer ring
r _{1,2}	min. 4 mm	Chamfer dimension
s	max. 7.5 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 725 mm	Diameter of spacer sleeve
d _a	max. 825 mm	Diameter of spacer sleeve
D _a	min. 835 mm	Diameter of housing abutment
D _a	max. 855 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 940 kN
Basic static load rating	C ₀	5 000 kN
Fatigue load limit	P _u	365 kN
Reference speed		630 r/min
Limiting speed		850 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