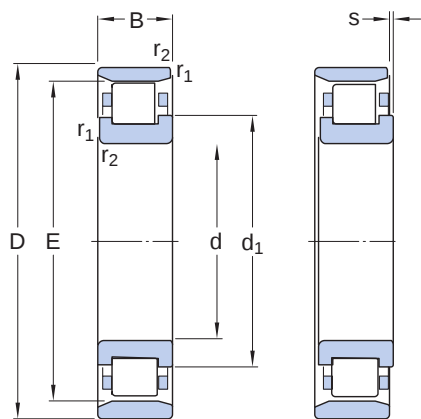


N 28/630 ECMB/HB1

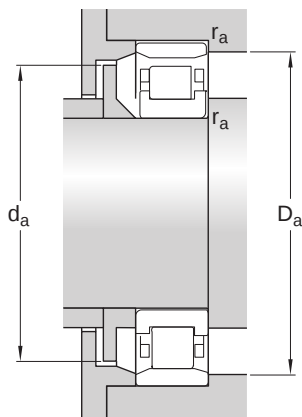
Single row cylindrical roller bearings are designed to accommodate high radial loads in combination with high speeds. Having two integral flanges on the inner ring and no flanges on the outer ring, N design bearings can accommodate axial displacement in both directions. An important feature is the separable 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	630 mm	Bore diameter
D	780 mm	Outside diameter
B	88 mm	Width
d ₁	≈ 687 mm	Shoulder diameter of inner ring
E	739 mm	Raceway diameter of outer ring
r _{1,2}	min. 4 mm	Chamfer dimension
s	max. 7 mm	Permissible axial displacement



Abutment dimensions		
d _a	min. 645 mm	Diameter of spacer sleeve
d _a	max. 737 mm	Diameter of spacer sleeve
D _a	min. 748 mm	Diameter of housing abutment
D _a	max. 765 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 570 kN
Basic static load rating	C ₀	4 050 kN
Fatigue load limit	P _u	315 kN
Reference speed		750 r/min
Limiting speed		950 r/min
Minimum load factor	k _r	0.07
Limiting value	e	0.3
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