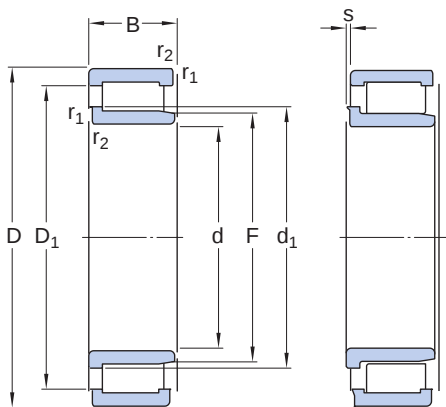


NJG 2309 VH

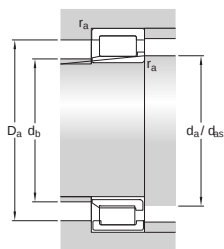
Single row full complement cylindrical roller bearings are designed to accommodate very high radial loads in combination with moderate speeds. The bearings incorporate a maximum number of rollers as they are not equipped with a cage. Having two integral flanges on the outer ring and one on the inner ring, NJG design bearings can accommodate axial displacement in one direction. A self-retaining roller complement enables the bearing components to be separated, which facilitates mounting and enables the bearing components to be interchanged.



- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in one direction
- Separable design



Dimensions		
d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
d ₁	≈ 62.5 mm	Shoulder diameter inner ring
D ₁	≈ 80.1 mm	Shoulder diameter outer ring
F	56.14 mm	Raceway diameter inner ring
s	max. 2.4 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other
r _{1,2}	min. 1.5 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 54 mm	Abutment diameter shaft
d _{as}	59.3 mm	Abutment diameter shaft

d_b	max. 54 mm	Abutment diameter shaft
D_a	max. 91 mm	Abutment diameter housing
r_a	max. 1.5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	172 kN
Basic static load rating	C_0	196 kN
Fatigue load limit	P_u	25.5 kN
Reference speed		2 800 r/min
Limiting speed		3 400 r/min
Calculation factor	k_r	0.35
Limiting value	e	0.3
Calculation factor	Y	0.4

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal
- Radial internal clearance: table

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit