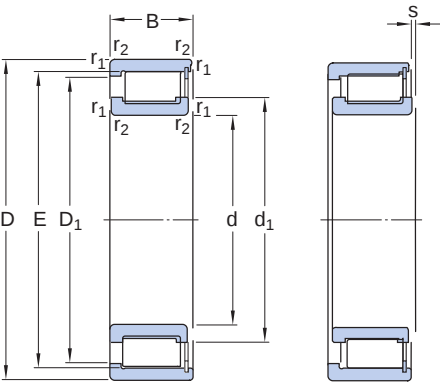


NCF 1872 V

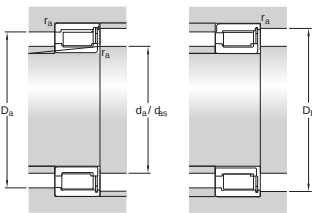
Single row full complement cylindrical roller bearings are designed to accommodate very high radial loads in combination with moderate speeds. The bearings incorporate a maximum number of rollers as they are not equipped with a cage. Having two integral flanges on the inner ring and one flange on the outer ring, NCF design bearings can accommodate axial displacement in one direction. A retaining ring on the outer ring holds the bearing together. The retaining ring should not be loaded axially during operation.



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



Dimensions		
d	360 mm	Bore diameter
D	440 mm	Outside diameter
B	38 mm	Width
d ₁	≈ 388 mm	Shoulder diameter inner ring
D ₁	≈ 413 mm	Shoulder diameter outer ring
E	418.9 mm	Raceway diameter outer ring
s	max. 3 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other
r _{1,2}	min. 2.1 mm	Chamfer dimension



Abutment dimensions		
d _a	min. 371 mm	Abutment diameter shaft
d _{as}	384 mm	Abutment diameter shaft
D _a	max. 429 mm	Abutment diameter housing

D_b	max. 433 mm	Abutment diameter housing
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r_a	max. 1.5 mm	Fillet radius
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Calculation data

Basic dynamic load rating	C	402 kN
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Basic static load rating	C_0	900 kN
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Fatigue load limit	P_u	76.5 kN
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Reference speed		560 r/min
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Limiting speed		700 r/min
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Calculation factor	k_r	0.1
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Limiting value	e	0.2
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Calculation factor	Y	0.6
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Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal
- Radial internal clearance: table

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit