



SKF NNCF 5012 CV

Double row full complement cylindrical roller bearing, NNCF design, with relubrication

Double row full complement cylindrical roller bearings incorporate a maximum number of rollers and are therefore suitable for very heavy radial loads in combination with moderate speeds. Having three flanges on the inner ring and one flange on the outer ring, NNCF design bearings can accommodate limited axial displacement in one direction. A retaining ring in the outer ring holds the bearing together. The retaining ring should not be loaded axially during operation.

Technical specifications

Dimensions	
Bore diameter	60 mm
Outside diameter	95 mm
Width	46 mm
Shoulder diameter inner ring	71.5 mm
Shoulder diameter outer ring	82 mm
Width annular lubrication groove outer ring	4.5 mm
Diameter lubrication hole (outer ring)	3.5 mm
Permissible axial displacement from the normal position of one bearing ring relative to the other	1.5 mm
Chamfer dimension (open bearings)	1.1 mm
Chamfer dimension	0.6 mm
	Parameter r3.4 has either the value specified here or the same value as r1.2.

Abutment dimensions	
Abutment diameter shaft	66 mm
Abutment diameter shaft	68.9 mm
Abutment diameter housing	89 mm
Fillet radius	1 mm
Fillet radius	0.5 mm

Calculation data	
Basic dynamic load rating	198 kN
Basic static load rating	300 kN
Fatigue load limit	36.5 kN
Reference speed	3400 r/min
Limiting speed	4000 r/min
Minimum load factor	0.5

Performance	
Basic dynamic load rating	198 kN
Basic static load rating	300 kN
Reference speed	3400 r/min
Limiting speed	4000 r/min

Properties	
Bearing part	Complete bearing
Axial displacement capability	In one direction
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Without
Number of flanges, outer ring	1
Number of flanges, inner ring	3
Loose flange	None
Radial internal clearance	CN
Tolerance class	Normal

Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With
Indicative carbon footprint for new product	4.4 kg CO ₂ e

Logistics	
Product net weight	1.23 kg
UNSPSC code	31171505

