



SKF NNF 5024 ADA-2LSV

Double row full complement cylindrical roller bearing, NNF design, with integral s

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 two-piece inner ring and one central flange on the outer ring, NNF design bearings can locate the shaft axially in both directions. Two snap ring grooves in the outer ring simplify mounting and save space axially.

Technical specifications

Dimensions	
Bore diameter	120 mm
Outside diameter	180 mm
Width	80 mm
Outer ring width (sealed bearing)	79 mm
Shoulder diameter inner ring	141.5 mm
Snap ring groove diameter at outer ring	176 mm
Raceway diameter outer ring	164 mm
Distance between two snap ring grooves of the outer ring outside surface	71.2 mm
Tolerance for distance $C_{>1}$	0.2 mm
Distance outer ring side face - snap ring groove (sealed bearing)	3.9 mm
Width snap ring groove outer ring	4.2 mm
Width annular lubrication groove outer ring	7 mm
Diameter lubrication hole (outer ring)	3.5 mm
Chamfer dimension (sealed bearing)	1.8 mm
Chamfer dimension	0.6 mm

Abutment dimensions	
Abutment diameter shaft	127 mm
Abutment diameter shaft	138 mm
Abutment width applying for SW snap rings (sealed brg.)	65 mm
Tolerance for abutment $C_{>a}$ (SW snap rings)	0.2 mm
Abutment width applying for DIN 471 snap rings (sealed brg.)	63 mm
Tolerance for abutment $C_{>a}$ (DIN 471 snap rings)	0.2 mm
Fillet radius	1.5 mm

Calculation data	
Basic dynamic load rating	429 kN
Basic static load rating	750 kN
Fatigue load limit	86.5 kN
Limiting speed	700 r/min
Minimum load factor	0.4

Associated products	
Snap ring Seeger	SW 180
Snap ring in accordance with DIN 471	180x4

Performance	
Basic dynamic load rating	429 kN
Basic static load rating	750 kN
Limiting speed	700 r/min

Properties	
Bearing part	Complete bearing
Axial displacement capability	None
Number of rows	2
Locating feature, bearing outer ring	Snap ring groove

Bore type	Cylindrical
Cage	Without
Number of flanges, outer ring	1
Number of flanges, inner ring	2
Loose flange	None
Radial internal clearance	CN
Tolerance class	Normal
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Grease
Relubrication feature	With
Candidate for remanufacturing	Yes
Indicative carbon footprint for new product	24.7 kg CO ₂ e
Indicative carbon footprint for remanufactured product	8.7 kg CO ₂ e

Logistics	
Product net weight	6.87 kg
eClass code	23-05-09-01
UNSPSC code	31171505

SKF drawings