



SKF NKI 6/12 TN

Single row needle roller bearing with machined rings, with flanges

Single row needle roller bearings incorporate cylindrical rollers that are small in diameter relative to their length. Owing to their large number of rollers, the bearings have a high load carrying capacity. The outer ring includes two non-separable closure rings that act as flanges to guide the bearing axially.

Technical specifications

Dimensions	
Bore diameter	6 mm
Outside diameter	16 mm
Width	12 mm
Raceway diameter inner ring	9 mm
Chamfer dimension outer ring	0.3 mm
Permissible axial displacement from the normal position of one bearing ring relative to the other	1.5 mm

Abutment dimensions	
Smallest permissible abutment diameter shaft, bearings with flanges	8 mm
Diameter of housing abutment	14 mm
Fillet radius	0.3 mm

Calculation data	
Basic dynamic load rating	4.4 kN
Basic static load rating	5.2 kN
Fatigue load limit	0.57 kN
Reference speed	30000 r/min
Limiting speed	34000 r/min

Performance	
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Basic static load rating	5.2 kN
Reference speed	30000 r/min
Limiting speed	34000 r/min

Properties	
Bearing part	Complete bearing
Number of rows	1
Outer ring type	Machined (solid)
Aligning feature	Without
Cage	Non-metallic
Number of flanges, outer ring	2
Radial internal clearance	CN
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without
Indicative carbon footprint for new product	0.05 kg CO ₂ e

Logistics	
Product net weight	0.014 kg
eClass code	23-05-09-03
UNSPSC code	31171512

SKF drawings

