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NKI 30/20 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 integral flanges to guide the bearing axially and an annular groove with one or more lubrication holes to facilitate relubrication.

- High radial load carrying capacity
- High stiffness
- Low cross-sectional height
- Accommodate axial displacement in both directions
- Separable design

Overview

Dimensions

Bore diameter	30 mm
Outside diameter	45 mm
Width	20 mm

Performance

Basic dynamic load rating	27.5 kN
Basic static load rating	52 kN
Reference speed	11 000 r/min
Limiting speed	13 000 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	With
Indicative product carbon footprint to manufacture	0.379 kg CO_2e

Logistics

Product net weight	0.105 kg
eClass code	23-05-09-03
UNSPSC code	31171512

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