

Image may differ from product. See technical specification for details.

NK 45/30 TN

Single row needle roller bearing with machined rings, with flanges, without inner ring

Single row needle roller bearings without an inner ring consist of an outer ring with a needle roller and cage assembly. They are an excellent choice for compact bearing arrangements in applications where hardened and ground raceways can be provided on the shaft. 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

Overview

Dimensions

Bore diameter of needle roller complement	45 mm
Outside diameter	55 mm
Width	30 mm

Performance

Basic dynamic load rating	45.7 kN
Basic static load rating	108 kN
Reference speed	9 000 r/min
Limiting speed	10 000 r/min

Properties

Bearing part	Bearing without inner ring
Number of rows	1
Outer ring type	Machined (solid)
Aligning feature	Without
Cage	Non-metallic
Number of flanges, outer ring	2
Tolerance class	Normal
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With

Logistics

Product net weight	0.132 kg
eClass code	23-05-09-03
UNSPSC code	31171512

Compatible products

Replacement product

Single row needle roller bearing with machined rings, with flanges, without inner ring	NK 45/30 *Fully exchangeable*

Recommended product

Radial shaft seal with low cross-sectional height for needle roller bearings, G design	G 45X55X4

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