

NATR 8 PP

Support rollers (yoke-type track rollers) with flange rings, integral sealing and relubrication feature

Support rollers (yoke-type track rollers) are designed to run on all types of tracks and to be used in cam drives, conveyor systems, etc. They are based on a needle roller bearing with an inner ring. They have a thick-walled outer ring with a crowned running surface and are supplied sealed and ready-to-mount. A lubrication hole in the inner ring facilitates relubrication.

- High radial load carrying capacity
- Accommodate axial loads due to skew or tilting
- Long service life
- Ready to mount
- Sealed for increased reliability, with relubrication feature

Overview

Dimensions

Bore diameter	8 mm
Functional outside diameter	24 mm
Width, outer ring	14 mm
Width, total	15 mm

Performance

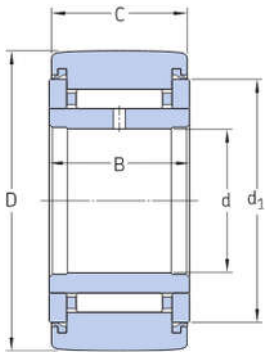
Basic dynamic load rating	4.57 kN
Basic static load rating	5.1 kN
Limiting speed	5 000 r/min

Properties

Axial guidance of outer ring	Yes
Bearing part	Complete track roller
Cage	With
Coating	Without
Lubricant	Grease
Material, bearing	Bearing steel
Number of flanges, outer ring	2
Number of rows	1
Outer ring profile	Crowned
Radial internal clearance	Between C2 and CN
Relubrication feature	With
Rolling elements	Needle rollers
Sealing	Seal on both sides
Sealing type	Contact

Tolerance class	Other

Technical Specification



Dimensions

D	24 mm	Outside diameter
d	8 mm	Bore diameter
C	14 mm	Width outer ring
B	15 mm	Width inner ring
d_1	17.2 mm	Outside diameter flange ring

Calculation data

Basic dynamic load rating	C	4.57 kN
Basic static load rating	C_0	5.1 kN
Fatigue load limit	P_u	0.57 kN
Maximum dynamic radial loads	F_r	max. 6 kN
Maximum static radial loads	F_{0r}	max. 8.65 kN
Limiting speed		5 000 r/min

Mass

Mass support roller	0.042 kg

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