



NATR 25 Support rollers (yoke-type track rollers) with flange rings and relubrication feature

Support rollers (yoke-type track rollers) with flange rings 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 ready-to-mount. A narrow gap between the outer ring and the pressed-on flange rings forms a gap-type seal. The inner ring contains a lubrication hole to facilitate 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

Functional outside diameter	52 mm
Bore diameter	25 mm
Width, total	25 mm
Width, outer ring	24 mm

Performance

Basic dynamic load rating	17.6 kN
Basic static load rating	25 kN
Limiting speed	2 400 r/min

Properties

Bearing part	Complete track roller
Rolling elements	Needle rollers
Number of rows	1
Outer ring profile	Crowned
Axial guidance of outer ring	Yes
Number of flanges, outer ring	2
Cage	With
Radial internal clearance	Between C2 and CN
Tolerance class	Other

Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Gap-type
Lubricant	Grease
Relubrication feature	With

Technical Specification



Dimensions

D	52 mm	Outside diameter
d	25 mm	Bore diameter
C	24 mm	Width outer ring
B	25 mm	Width inner ring
d ₁	42.5 mm	Outside diameter flange ring

Calculation data

Basic dynamic load rating	C	17.6 kN
Basic static load rating	C ₀	25 kN
Fatigue load limit	P _u	3 kN
Maximum dynamic radial loads	F _r	max. 19.3 kN
Maximum static radial loads	F _{0r}	max. 27.5 kN
Limiting speed		2 400 r/min

Mass

Mass support roller	0.28 kg
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