



NATR 5 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	16 mm
Bore diameter	5 mm
Width, total	12 mm
Width, outer ring	11 mm

Performance

Basic dynamic load rating	2.86 kN
Basic static load rating	3 kN
Limiting speed	6 000 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	16 mm	Outside diameter
d	5 mm	Bore diameter
C	11 mm	Width outer ring
B	12 mm	Width inner ring
d ₁	11.9 mm	Outside diameter flange ring

Calculation data

Basic dynamic load rating	C	2.86 kN
Basic static load rating	C ₀	3 kN
Fatigue load limit	P _u	0.32 kN
Maximum dynamic radial loads	F _r	max. 2.7 kN
Maximum static radial loads	F _{0r}	max. 3.9 kN
Limiting speed		6 000 r/min

Mass

Mass support roller	0.015 kg
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