



# NATR 10 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	30 mm
Bore diameter	10 mm
Width, total	15 mm
Width, outer ring	14 mm

### Performance

Basic dynamic load rating	6.82 kN
Basic static load rating	6.4 kN
Limiting speed	4 500 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	30 mm	Outside diameter
d	10 mm	Bore diameter
C	14 mm	Width outer ring
B	15 mm	Width inner ring
d <sub>1</sub>	23.2 mm	Outside diameter flange ring

### Calculation data

Basic dynamic load rating	C	6.82 kN
Basic static load rating	C <sub>0</sub>	6.4 kN
Fatigue load limit	P <sub>u</sub>	0.75 kN
Maximum dynamic radial loads	F <sub>r</sub>	max. 6 kN
Maximum static radial loads	F <sub>0r</sub>	max. 8.65 kN
Limiting speed		4 500 r/min

### Mass

Mass support roller	0.065 kg
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