



NATR 10 PPSupport rollers (yoke-type track rollers) with flange rings, integral sealing and

relubrication feature

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

Functional outside diameter	1.181 in
Bore diameter	0.394 in
Width, total	0.591 in
Width, outer ring	0.551 in

Performance

Basic dynamic load rating	1 533 lbf
Basic static load rating	1 439 lbf
Limiting speed	4 500 r/min

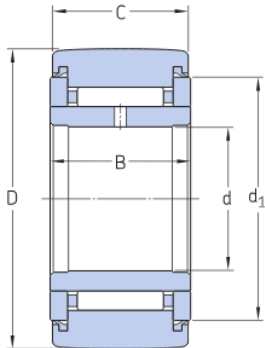
Properties

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	Contact
Lubricant	Grease
Relubrication feature	With

Technical Specification

Dimensions



D	1.181 in	Outside diameter
d	0.394 in	Bore diameter
C	0.551 in	Width outer ring
B	0.591 in	Width inner ring
d ₁	0.913 in	Outside diameter flange ring

Calculation data

Basic dynamic load rating	C	1 533 lbf
Basic static load rating	C ₀	1 439 lbf
Fatigue load limit	P _u	169 lbf
Maximum dynamic radial loads	F _r	max. 1 349 lbf
Maximum static radial loads	F _{0r}	max. 1 945 lbf
Limiting speed		4 500 r/min

Mass

Mass support roller	0.142 lb
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