



Image may differ from product. See technical specification for details.

## NUTR 25 A

### **Support roller (yoke-type track roller) 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 double row full complement cylindrical roller bearing with an inner ring and have a thick-walled outer ring with an improved crowned running surface. They are supplied sealed and ready-to-mount. The inner ring contains a lubrication hole to facilitate relubrication.

- High radial load carrying capacity
- Accommodate relatively heavy 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	2.047 in
Bore diameter	0.984 in
Width, total	0.984 in
Width, outer ring	0.945 in

## Performance

Basic dynamic load rating	6 677 lbf
Basic static load rating	8 093 lbf
Limiting speed	3 200 r/min

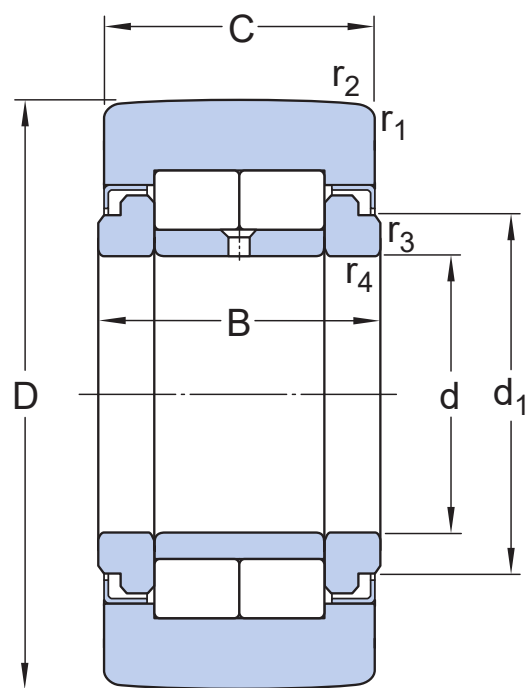
## Properties

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

## Logistics

Product net weight	0.6195 lb
eClass code	23-05-09-03
UNSPSC code	31171512

# Technical specification



## Dimensions

D	2.047 in	Outside diameter
d	0.984 in	Bore diameter
C	0.945 in	Width outer ring
B	0.984 in	Width inner ring
d <sub>1</sub>	1.22 in	Outside diameter flange ring
r <sub>1,2</sub>	min. 0.039 in	Chamfer dimension outer ring
r <sub>3,4</sub>	min. 0.02 in	Chamfer dimension flange ring bore

## Calculation data

Basic dynamic load rating	C	6 677 lbf
Basic static load rating	C <sub>0</sub>	8 093 lbf
Fatigue load limit	P <sub>u</sub>	955 lbf
Maximum dynamic radial loads	F <sub>r</sub>	max. 4 047 lbf
Maximum static radial loads	F <sub>0r</sub>	max. 5 733 lbf
Limiting speed		3 200 r/min

Tolerances and clearances

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GENERAL SUPPORT ROLLER SPECIFICATIONS

- Tolerances: Normal, Other
- Radial internal clearance: table

## BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit

# More Information

<div> <b>Product details</b></div> <div><div>Designs and variants</div><div>Lubrication</div><div>General support roller specifications</div><div>Loads</div><div>Temperature limits</div><div>Speed limits</div><div>Design considerations</div><div>Mounting</div><div>Designation system</div></div>	<div> <b>Engineering information</b></div> <div><div>Principles of rolling bearing selection</div><div>General bearing knowledge</div><div>Bearing selection process</div><div>Bearing interfaces</div><div>Lubrication</div><div>External sealing, mounting and dismounting</div><div>Bearing failure and how to prevent it</div></div>	<div> <b>Tools</b></div> <div><div>SKF Product select</div><div>Bearing Frequency Calculator</div><div>SimPro Quick</div><div>LubeSelect for SKF greases</div><div>Heater selection tool</div></div>
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