

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

NUTR 17 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	1.575 in
Bore diameter	0.669 in
Width, total	0.827 in
Width, outer ring	0.787 in

Performance

Basic dynamic load rating	4 271 lbf
Basic static load rating	4 946 lbf
Limiting speed	4 500 r/min

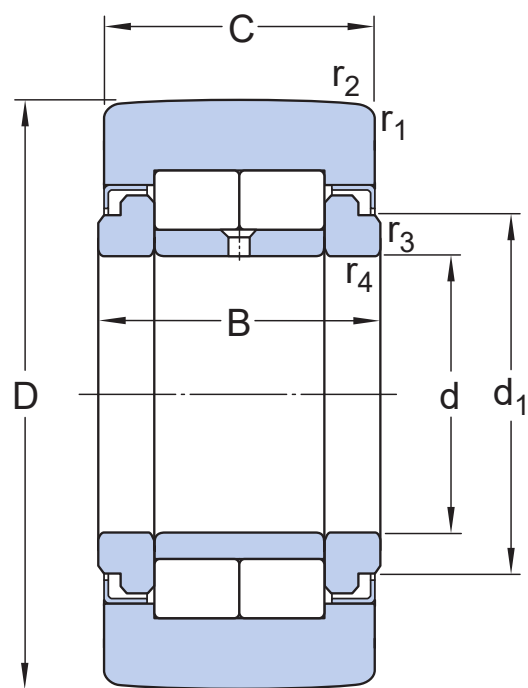
Properties

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	0.3148 lb
eClass code	23-05-09-03
UNSPSC code	31171512

Technical specification



Dimensions

D	1.575 in	Outside diameter
d	0.669 in	Bore diameter
C	0.787 in	Width outer ring
B	0.827 in	Width inner ring
d ₁	0.866 in	Outside diameter flange ring
r _{1,2}	min. 0.039 in	Chamfer dimension outer ring
r _{3,4}	min. 0.02 in	Chamfer dimension flange ring bore

Calculation data

Basic dynamic load rating	C	4 271 lbf
Basic static load rating	C ₀	4 946 lbf
Fatigue load limit	P _u	562 lbf
Maximum dynamic radial loads	F _r	max. 3 147 lbf
Maximum static radial loads	F _{0r}	max. 4 496 lbf
Limiting speed		4 500 r/min

Tolerances and clearances




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> Product details</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> Engineering information</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> Tools</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>
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