

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

Bore diameter	0.984 in
Functional outside diameter	2.047 in
Width, outer ring	0.945 in
Width, total	0.984 in

Performance

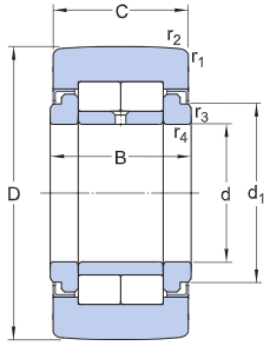
Basic dynamic load rating	6 677 lbf
Basic static load rating	8 093 lbf
Limiting speed	3 200 r/min

Properties

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

Sealing	Seal on both sides
Sealing type	Labyrinth
Tolerance class	Other

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 ₁	1.22 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	6 677 lbf
Basic static load rating	C ₀	8 093 lbf
Fatigue load limit	P _u	955 lbf
Maximum dynamic radial loads	F _r	max. 4 047 lbf
Maximum static radial loads	F _{0r}	max. 5 733 lbf
Limiting speed		3 200 r/min

Mass

Mass support roller	0.619 lb
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