



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

NUKRE 47 A

Cam follower (stud-type track roller) with eccentric collar, integral sealing and relubrication feature

Cam followers (stud-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 a threaded solid stud instead of an inner ring. The design includes an eccentric collar pressed onto the stud, and a thick-walled outer ring with a crowned running surface. The bearings are supplied sealed and ready-to-mount, and can be relubricated via the stud.

- High radial load carrying capacity
- Accommodate relatively heavy axial loads due to skew or tilting
- Long service life
- Easy to mount
- Sealed for increased reliability, with relubrication feature

Overview

Dimensions

Functional outside diameter	1.85 in
Stud diameter	0.945 in
Length	2.598 in
Width, outer ring	0.945 in

Performance

Basic dynamic load rating	6 430 lbf
Basic static load rating	7 531 lbf
Limiting speed	3 800 r/min

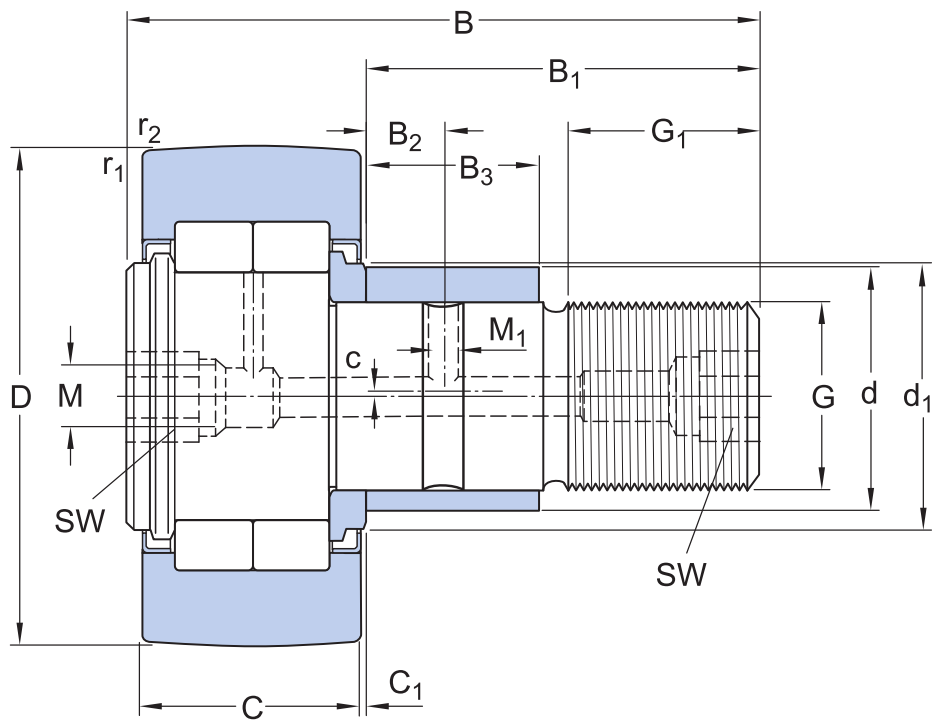
Properties

Rolling elements	Cylindrical rollers
Number of rows	2
Outer ring profile	Crowned
Stud alignment	Centric stud with eccentric collar
Number of flanges, outer ring	2
Feature for tightening	Hexagonal recess
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	Centre of each stud end

Logistics

Product net weight	1.024 lb
eClass code	23-05-09-03
UNSPSC code	31171512

Technical specification



Dimensions

D	1.85 in	Outside diameter
d	0.945 in	Attachment diameter
B	2.598 in	Total length
C	0.945 in	Width outer ring
B ₁	1.594 in	Length shank on stud
B ₂	0.354 in	Distance lubrication hole to flange ring
B ₃	0.709 in	Width locking collar
C ₁	0.031 in	Distance face outer ring to face side washer
d ₁	1.063 in	Outside diameter flange ring
G	M 20x1.5	Thread stud
G ₁	0.827 in	Length thread
M	0.236 in	Seat diameter for lubrication accessories
M ₁	0.157 in	Diameter of lubrication hole (shank)
SW	0.394 in	Width across flats
c	0.039 in	Eccentricity
r _{1,2}	min. 0.039 in	Chamfer dimension

Calculation data

Basic dynamic load rating	C	6 430 lbf
Basic static load rating	C ₀	7 531 lbf
Fatigue load limit	P _u	877 lbf
Maximum dynamic radial loads	F _r	max. 3 957 lbf
Maximum static radial loads	F _{0r}	max. 5 620 lbf
Limiting speed		3 800 r/min

Mounting information

Recommended tightening torque	1 062.089 lbf-in
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Included products

Grease fitting	NIP A2x7.5
Hexagonal nut	M 20x1.5

Associated products

Lubrication adapter	AP 10
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More Information

Product details

[Designs and variants](#)

[Accessories](#)

[Lubrication](#)

[General cam follower specifications](#)

[Loads](#)

[Temperature limits](#)

[Speed limits](#)

[Design considerations](#)

[Mounting](#)

[Designation system](#)

Engineering information

[Principles of rolling bearing selection](#)

[General bearing knowledge](#)

[Bearing selection process](#)

[Bearing interfaces](#)

[Lubrication](#)

[External sealing, mounting and dismounting](#)

[Bearing failure and how to prevent it](#)

Tools

[SKF Product select](#)

[Bearing Frequency Calculator](#)

[SimPro Quick](#)

[LubeSelect for SKF greases](#)

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