



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

NUKR 52 XA

Cam follower (stud-type track roller) with 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. They have a

thick-walled outer ring with a cylindrical running surface and are supplied sealed and ready-to-mount. The bearings 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	52 mm
Stud diameter	20 mm
Length	66 mm
Width, outer ring	24 mm

Performance

Basic dynamic load rating	29.7 kN
Basic static load rating	36 kN
Limiting speed	3 200 r/min

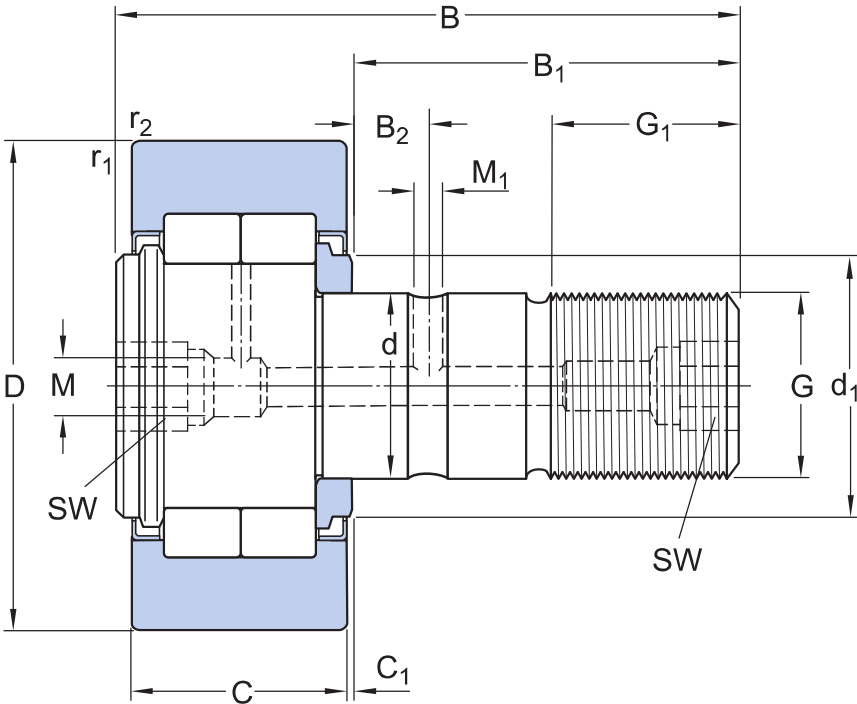
Properties

Rolling elements	Cylindrical rollers
Number of rows	2
Outer ring profile	Cylindrical
Stud alignment	Centric
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 and radial hole in stud shank

Logistics

Product net weight	0.514 kg
eClass code	23-05-09-03
UNSPSC code	31171512

Technical specification



Dimensions

D	52 mm	Outside diameter
d	20 mm	Attachment diameter
B	66 mm	Total length
C	24 mm	Width outer ring
B ₁	40.5 mm	Length shank on stud
B ₂	9 mm	Distance lubrication hole to flange ring
C ₁	0.8 mm	Distance face outer ring to face side washer
d ₁	31 mm	Outside diameter flange ring
G	M 20x1.5	Thread stud
G ₁	21 mm	Length thread
M	6 mm	Seat diameter for lubrication accessories
M ₁	4 mm	Diameter of lubrication hole (shank)
SW	10 mm	Width across flats
r _{1,2}	min. 1 mm	Chamfer dimension

Calculation data

Basic dynamic load rating	C	29.7 kN
Basic static load rating	C ₀	36 kN
Fatigue load limit	P _u	4.25 kN
Maximum dynamic radial loads	F _r	max. 18 kN
Maximum static radial loads	F _{0r}	max. 25.5 kN
Limiting speed		3 200 r/min

Mounting information

Recommended tightening torque	120 N·m
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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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Tolerances and clearances

GENERAL CAM FOLLOWER SPECIFICATIONS

- [Tolerances: Normal, Other](#)
- [Radial internal clearance: table](#)

BEARING INTERFACES

- [Seat tolerances for standard conditions](#)
- [Tolerances and resultant fit](#)

More Information

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



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