



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

## NUKRE 35 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 | 35 mm |
| Stud diameter               | 20 mm |
| Length                      | 52 mm |
| Width, outer ring           | 18 mm |

## Performance

|                           |             |
|---------------------------|-------------|
| Basic dynamic load rating | 16.8 kN     |
| Basic static load rating  | 17.6 kN     |
| Limiting speed            | 5 000 r/min |

## Properties

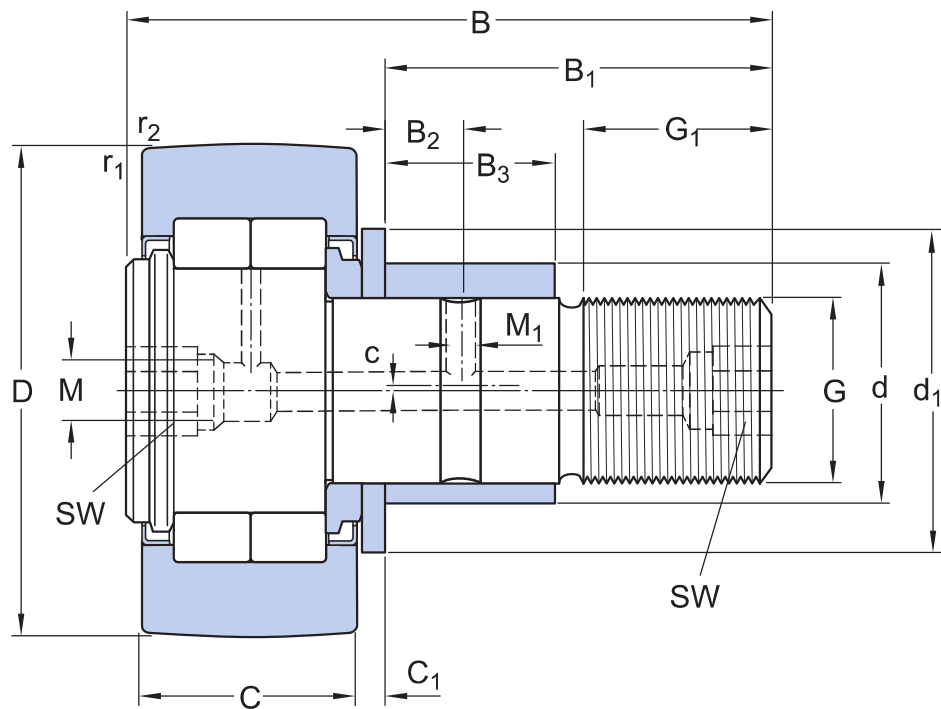
|                               |                                    |
|-------------------------------|------------------------------------|
| Rolling elements              | Cylindrical rollers                |
| Number of rows                | 2                                  |
| Outer ring profile            | 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 | 0.217 kg    |
| eClass code        | 23-05-09-03 |
| UNSPSC code        | 31171512    |



## Technical specification



## Dimensions

|                  |             |                                              |
|------------------|-------------|----------------------------------------------|
| D                | 35 mm       | Outside diameter                             |
| d                | 20 mm       | Attachment diameter                          |
| B                | 52 mm       | Total length                                 |
| C                | 18 mm       | Width outer ring                             |
| B <sub>1</sub>   | 29.5 mm     | Length shank on stud                         |
| B <sub>2</sub>   | 7.8 mm      | Distance lubrication hole to flange ring     |
| B <sub>3</sub>   | 12 mm       | Width locking collar                         |
| C <sub>1</sub>   | 3.8 mm      | Distance face outer ring to face side washer |
| d <sub>1</sub>   | 27.34 mm    | Outside diameter flange ring                 |
| G                | M 16x1.5    | Thread stud                                  |
| G <sub>1</sub>   | 17 mm       | Length thread                                |
| M                | 6 mm        | Seat diameter for lubrication accessories    |
| M <sub>1</sub>   | 3 mm        | Diameter of lubrication hole (shank)         |
| SW               | 8 mm        | Width across flats                           |
| c                | 1 mm        | Eccentricity                                 |
| r <sub>1,2</sub> | min. 0.6 mm | Chamfer dimension                            |

Calculation data

|                              |                 |              |
|------------------------------|-----------------|--------------|
| Basic dynamic load rating    | C               | 16.8 kN      |
| Basic static load rating     | C <sub>0</sub>  | 17.6 kN      |
| Fatigue load limit           | P <sub>u</sub>  | 2 kN         |
| Maximum dynamic radial loads | F <sub>r</sub>  | max. 8.65 kN |
| Maximum static radial loads  | F <sub>0r</sub> | max. 12.2 kN |
| Limiting speed               |                 | 5 000 r/min  |

Mounting information

|                               |        |
|-------------------------------|--------|
| Recommended tightening torque | 58 N·m |
|-------------------------------|--------|

Included products

|                |            |
|----------------|------------|
| Grease fitting | NIP A2x7.5 |
| Hexagonal nut  | M 16x1.5   |

Associated products

|                     |      |
|---------------------|------|
| Lubrication adapter | AP 8 |
|---------------------|------|

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

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