KR 19 PP



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 needle roller bearing with a threaded solid stud instead of an inner ring. They have a thick-walled outer ring with a crowned running surface and are supplied sealed and ready-to-mount. The bearings can be relubricated via the stud.

- High radial load carrying capacity
- Accommodate 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	19 mm
Length	32.2 mm
Stud diameter	8 mm
Width, outer ring	11 mm

Performance

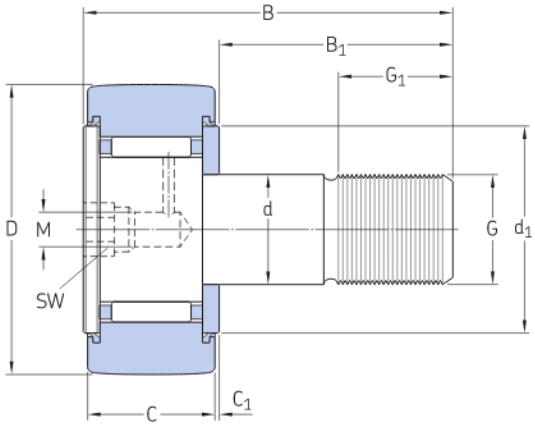
Basic dynamic load rating	3.3 kN
Basic static load rating	3.8 kN
Limiting speed	5 600 r/min

Properties

Cage	With
Coating	Without
Feature for tightening	Hexagonal recess
Lubricant	Grease
Material, bearing	Bearing steel
Number of flanges, outer ring	2
Number of rows	1
Outer ring profile	Crowned
Radial internal clearance	Between C2 and CN
Relubrication feature	Centre of stud head
Rolling elements	Needle rollers
Sealing	Seal on both sides
Sealing type	Contact
Stud alignment	Centric

Tolerance class	Other

Technical Specification



Dimensions

D	19 mm	Outside diameter
d	8 mm	Attachment diameter
B	32.2 mm	Total length
C	11 mm	Width outer ring
B_1	20 mm	Length shank on stud
C_1	0.6 mm	Distance face outer ring to face side washer
d_1	13.9 mm	Outside diameter flange ring
G	M8x1.25	Thread stud
G_1	10 mm	Length thread
M	3 mm	Seat diameter for lubrication accessories
SW	4 mm	Width across flats

Calculation data

Basic dynamic load rating	C	3.3 kN
Basic static load rating	C_0	3.8 kN
Fatigue load limit	P_u	0.415 kN
Maximum dynamic radial loads	F_r	max. 3.75 kN
Maximum static radial loads	F_{0r}	max. 5.4 kN
Limiting speed		5 600 r/min

Mass

Mass cam follower	0.029 kg

Mounting information

Recommended tightening torque	8 Nm

Included products

Grease fitting	NIP C3.2x5.2
Hexagonal nut	M 8x1.25

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