

# RNA 2202.2RS



Support roller (yoke-type track roller), without flange rings and inner ring, with integral sealing

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 single row needle roller bearing without an inner ring, intended for applications where hardened and ground raceways can be provided on the pin or shaft. They have a thick-walled outer ring with a crowned running surface and are supplied sealed and ready-to-mount.

- High radial load carrying capacity
- Able to withstand shock loads
- Long service life
- Ready to mount
- Integral sealing prolongs bearing service life

## Overview

### Dimensions

Bore diameter	20 mm
Functional outside diameter	35 mm
Width, outer ring	13.8 mm
Width, total	13.8 mm

### Performance

Basic dynamic load rating	7.48 kN
Basic static load rating	9.3 kN
Limiting speed	5 000 r/min

### Properties

Axial guidance of outer ring	Yes
Bearing part	Track roller without inner ring
Cage	With
Coating	Without
Lubricant	Grease
Material, bearing	Bearing steel
Number of flanges, outer ring	2
Number of rows	1
Outer ring profile	Crowned
Radial internal clearance	Not applicable
Relubrication feature	Without
Rolling elements	Needle rollers
Sealing	Seal on both sides

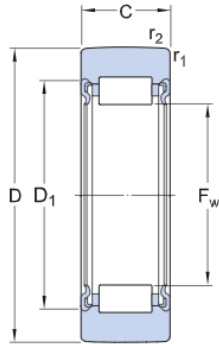
Sealing type

Contact

Tolerance class

Other

# Technical Specification



## Dimensions

D	35 mm	Outside diameter
F <sub>w</sub>	20 mm	Diameter under rollers
C	13.8 mm	Width
D <sub>1</sub>	26 mm	Recess diameter outer ring shoulder
r <sub>1,2</sub>	min. 0.6 mm	Chamfer dimension outer ring

## Calculation data

Basic dynamic load rating	C	7.48 kN
Basic static load rating	C <sub>0</sub>	9.3 kN
Fatigue load limit	P <sub>u</sub>	1.12 kN
Maximum dynamic radial load	F <sub>r</sub>	max. 9.5 kN
Maximum static radial load	F <sub>0r</sub>	max. 13.7 kN
Limiting speed		5 000 r/min

## Mass

Mass support roller	0.06 kg
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