



# NA 2208.2RS Support roller (yoke-type track roller), without flange rings, with integral sealing

## Support roller (yoke-type track roller), without flange rings, 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 with an inner ring and have a thick-walled outer ring with a crowned running surface. They are supplied sealed and are ready-to-mount. The inner ring contains a lubrication hole to facilitate relubrication. The inner ring can be mounted separately from the outer ring and roller and cage assembly.

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

## Overview

### Dimensions

Functional outside diameter	80 mm
Bore diameter	40 mm
Width, total	23 mm
Width, outer ring	22.7 mm

### Performance

Basic dynamic load rating	27.5 kN
Basic static load rating	40.5 kN
Limiting speed	1 900 r/min

### Properties

Bearing part	Complete track roller
Rolling elements	Needle rollers
Number of rows	1
Outer ring profile	Crowned
Axial guidance of outer ring	Yes
Number of flanges, outer ring	2
Cage	With
Radial internal clearance	CN
Tolerance class	Other

Material, bearing	Bearing steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Grease
Relubrication feature	With

## Technical Specification



### Dimensions

D	80 mm	Outside diameter
d	40 mm	Bore diameter
C	22.7 mm	Width outer ring
B	23 mm	Width inner ring
D <sub>1</sub>	57 mm	Recess diameter outer ring shoulder
F	48 mm	Raceway diameter inner ring
r <sub>1,2</sub>	min. 1.1 mm	Chamfer dimension outer ring
r <sub>3,4</sub>	min. 0.6 mm	Chamfer dimension inner ring

### Calculation data

Basic dynamic load rating	C	27.5 kN
Basic static load rating	C <sub>0</sub>	40.5 kN
Fatigue load limit	P <sub>u</sub>	5 kN
Maximum dynamic radial load	F <sub>r</sub>	max. 35.5 kN
Maximum static radial load	F <sub>0r</sub>	max. 51 kN
Limiting speed		1 900 r/min

### Mass

Mass support roller	0.63 kg
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