



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

PWTR 25.2RS

Support roller (yoke-type track roller) with flange rings, integral sealing and relubrication feature

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 double row full complement cylindrical roller bearing with an inner ring and have a thick-walled outer ring with a

crowned running surface. They are supplied sealed and ready-to-mount. The inner ring contains a lubrication hole to facilitate relubrication.

- 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
Bore diameter	25 mm
Width, total	25 mm
Width, outer ring	24 mm

Performance

Basic dynamic load rating	23.8 kN
Basic static load rating	26.5 kN
Limiting speed	3 200 r/min

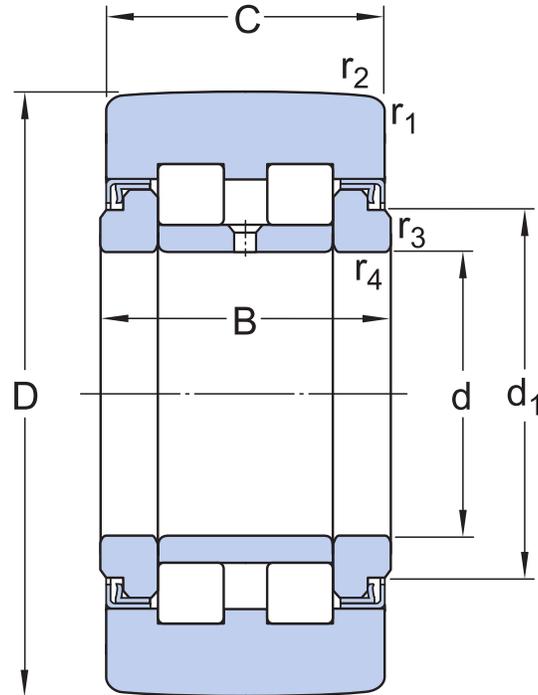
Properties

Bearing part	Complete track roller
Rolling elements	Cylindrical rollers
Number of rows	2
Outer ring profile	Crowned
Axial guidance of outer ring	Yes
Number of flanges, outer ring	3
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	Contact
Lubricant	Grease
Relubrication feature	With

Logistics

Product net weight	0.281 kg
eClass code	23-05-09-03
UNSPSC code	31171512

Technical specification



Dimensions

D	52 mm	Outside diameter
d	25 mm	Bore diameter
C	24 mm	Width outer ring
B	25 mm	Width inner ring
d ₁	31 mm	Outside diameter flange ring
r _{1,2}	min. 1 mm	Chamfer dimension outer ring
r _{3,4}	min. 0.5 mm	Chamfer dimension flange ring bore

Calculation data

Basic dynamic load rating	C	23.8 kN
Basic static load rating	C ₀	26.5 kN
Fatigue load limit	P _u	3.05 kN
Maximum dynamic radial loads	F _r	max. 18.6 kN
Maximum static radial loads	F _{0r}	max. 26.5 kN
Limiting speed		3 200 r/min

Tolerances and clearances

GENERAL SUPPORT ROLLER 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
Lubrication	General bearing knowledge	Bearing Frequency Calculator
General support roller specifications	Bearing selection process	SimPro Quick
Loads	Bearing interfaces	LubeSelect for SKF greases
Temperature limits	Lubrication	Heater selection tool
Speed limits	External sealing, mounting and dismounting	
Design considerations	Bearing failure and how to prevent it	
Mounting		
Designation system		



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