



RNA 4900

- Popular item

Needle roller bearings with machined rings, without an inner ring

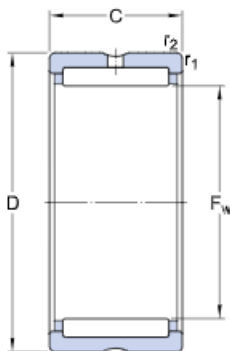
Bearing data

[Tolerances](#),
Normal, P6, P5, ISO - F6 (Fw),
[Radial internal clearance](#),
table

Design considerations

[Housing tolerances](#),
table,
[Shaft tolerances](#),
[Operating clearance](#)

Technical specification

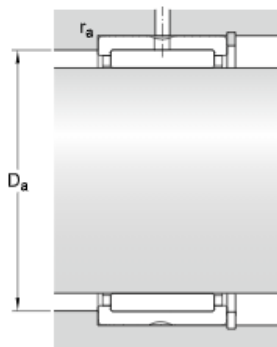


DIMENSIONS

Fw	14 mm	Diameter under rollers
D	22 mm	Outside diameter
C	13 mm	Width
r1,2	min.0.3 mm	Chamfer dimension outer ring

ABUTMENT DIMENSIONS

Da	max.20 mm	Abutment diameter housing (with flanges)
ra	max.0.3 mm	Fillet radius



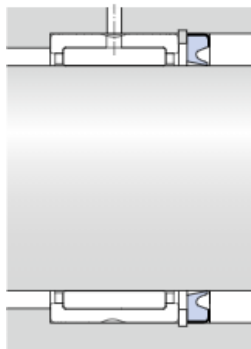
CALCULATION DATA

Basic dynamic load rating	C	8.8 kN
Basic static load rating	C ₀	10.4 kN
Fatigue load limit	P _u	1.22 kN
Reference speed		24 000 r/min
Limiting speed		28 000 r/min

MASS

Mass bearing	0.017 kg
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ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 14x22x3	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 14x22x3	Radial shaft seal with a low cross-sectional height, double lip

More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
Designs and variants	Designs and variants	Principles of rolling bearing selection	Principles of rolling bearing selection	SimPro Quick	SimPro Quick
Bearing data	Bearing data	General bearing knowledge	General bearing knowledge	Bearing Select	Bearing Select
Loads	Loads	Bearing selection process	Bearing selection process	Engineering Calculator	Engineering Calculator
Temperature limits	Temperature limits	Bearing failure and how to prevent it	Bearing failure and how to prevent it	LubeSelect for SKF greases	LubeSelect for SKF greases
Permissible speed	Permissible speed			Heater Selection Tool	Heater Selection Tool
Design considerations	Design considerations			skf.com/mount	skf.com/mount
Designation system	Designation system				

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