

## RNA 4901 Needle roller bearings with machined rings, without an inner ring

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

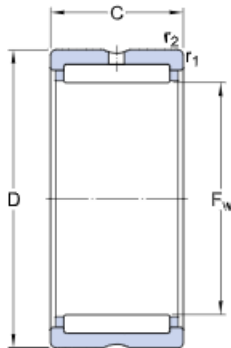
[Housing tolerances,](#)

table,

[Shaft tolerances,](#)

[Operating clearance](#)

## Technical specification

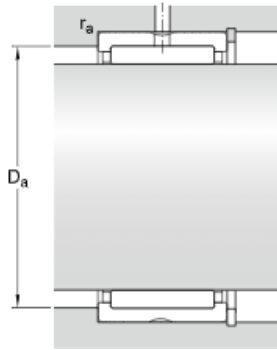


### DIMENSIONS

$F_w$	16 mm
D	24 mm
C	13 mm
$r_{1,2}$	min. 0.3 mm

### ABUTMENT DIMENSIONS

$D_a$	max. 22 mm
$r_a$	max. 0.3 mm



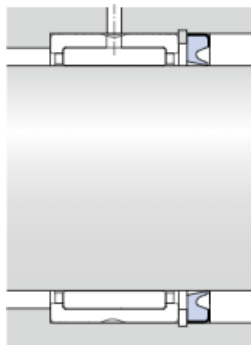
CALCULATION DATA

Basic dynamic load rating	C	9.9 kN
Basic static load rating	$C_0$	12.2 kN
Fatigue load limit	$P_u$	1.46 kN
Reference speed		22 000 r/min
Limiting speed		26 000 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 16x24x3
Radial shaft seal with a low cross-sectional height, double lip	SD 16x24x3

## More information

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

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