



RNA 4902.2RS 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

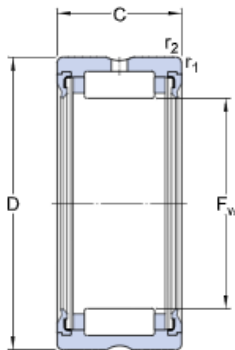
[Housing tolerances,](#)

table,

[Shaft tolerances,](#)

[Operating clearance](#)

Technical specification

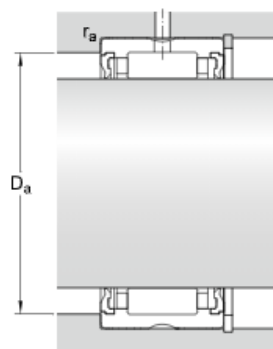


DIMENSIONS

F_w	20 mm
D	28 mm
C	13 mm
$r_{1,2}$	min. 0.3 mm

ABUTMENT DIMENSIONS

D_a	max. 26 mm
r_a	max. 0.3 mm



CALCULATION DATA

Basic dynamic load rating	C	9.13 kN
Basic static load rating	C_0	12 kN
Fatigue load limit	P_u	1.43 kN
Limiting speed		9 500 r/min

MASS

Mass bearing		0.022 kg
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More information

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

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