

NA 4905.2RS

- Popular item

Needle roller bearings with machined rings, with an inner ring

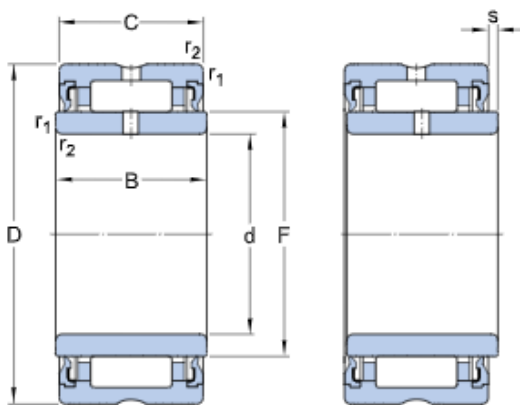
Bearing data

[Tolerances](#),
Normal, P6, P5,
[Radial internal clearance](#),
table

Design considerations

[Shaft and housing tolerances](#),
shaft, housing

Technical specification

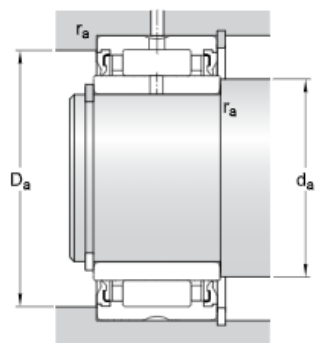


DIMENSIONS

d	25 mm	Bore diameter
D	42 mm	Outside diameter
B	18 mm	Width
C	17 mm	Width outer ring
F	30 mm	Raceway diameter inner ring
r _{1,2}	min.0.3 mm	Chamfer dimension outer ring
s	max.0.5 mm	Permissible axial displacement from the normal position of one bearing ring relative to the other

ABUTMENT DIMENSIONS

d _a	min.27 mm	Smallest permissible abutment diameter shaft, bearings with flanges
D _a	max.40 mm	Abutment diameter housing (with flanges)
r _a	max.0.3 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	21.6 kN
Basic static load rating	C_0	27.5 kN
Fatigue load limit	P_u	3.25 kN
Limiting speed		6 300 r/min

MASS

Mass bearing		0.09 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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