

NKIA 5907

- Popular item

Needle roller / angular contact ball bearings

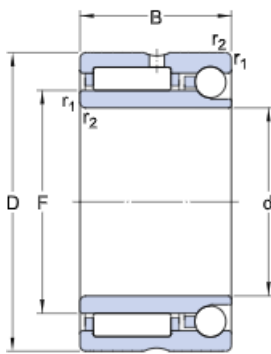
Bearing data

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

Design considerations

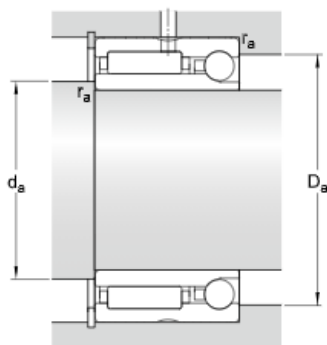
[Shaft and housing tolerances](#),
table

Technical specification



DIMENSIONS

d	35 mm	Bore diameter
D	55 mm	Outside diameter
B	27 mm	Width
F	42 mm	Raceway diameter inner ring
r _{1,2}	min.0.6 mm	Chamfer dimension outer ring



ABUTMENT DIMENSIONS

da	min.39 mm	Abutment diameter shaft
Da	max.51 mm	Abutment diameter housing
ra	max.0.6 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating, radial direction	C	31.9 kN
Basic static load rating, radial direction	C ₀	54 kN
Basic dynamic load rating, axial direction	C	5.83 kN
Basic static load rating, axial direction	C ₀	8.42 kN
Fatigue load limit, radial direction	P _u	6.7 kN
Fatigue load limit, axial direction	P _u	0.355 kN
Reference speed		9 500 r/min
Limiting speed		11 000 r/min

MASS

Mass bearing		0.24 kg
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More information

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

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