



NKIA 5910

Popular item

Needle roller / angular contact ball bearings

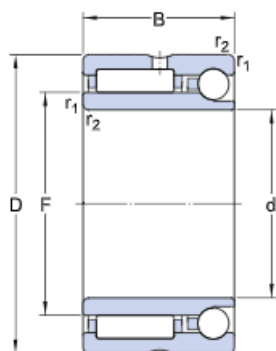
Bearing data

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

Design considerations

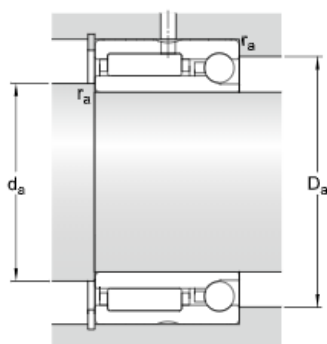
[Shaft and housing tolerances](#),
table

Technical specification



DIMENSIONS

d	50 mm
D	72 mm
B	30 mm
F	58 mm
$r_{1,2}$	min. 0.6 mm



ABUTMENT DIMENSIONS

d_a	min. 54 mm
D_a	max. 68 mm
r_a	max. 0.6 mm

CALCULATION DATA

Basic dynamic load rating, radial direction	C	47.3 kN
Basic static load rating, radial direction	C ₀	85 kN
Basic dynamic load rating, axial direction	C	7.74 kN
Basic static load rating, axial direction	C ₀	13.7 kN
Fatigue load limit, radial direction	P _u	10.6 kN
Fatigue load limit, axial direction	P _u	0.579 kN
Reference speed		7 000 r/min
Limiting speed		8 000 r/min

MASS

Mass bearing		0.38 kg
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More information

Product details

[Needle roller / angular contact ball bearings](#)[Needle roller / thrust ball bearings](#)[Needle roller / cylindrical roller thrust bearings](#)[Bearing data](#)[Loads](#)[Temperature limits](#)[Permissible speed](#)[Design considerations](#)[Designation system](#)

Engineering information

[Principles of rolling bearing selection](#)[General bearing knowledge](#)[Bearing selection process](#)[Bearing failure and how to prevent it](#)

Tools

[SimPro Quick](#)[Bearing Select](#)[Engineering Calculator](#)[LubeSelect for SKF greases](#)[Heater Selection Tool](#)[skf.com/mount](#)

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