



NKIA 5902

Popular item

Needle roller / angular contact ball bearings

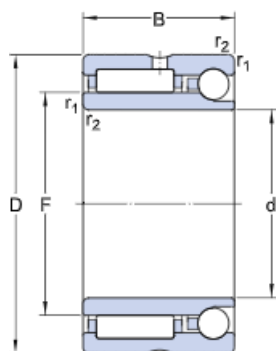
Bearing data

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

Design considerations

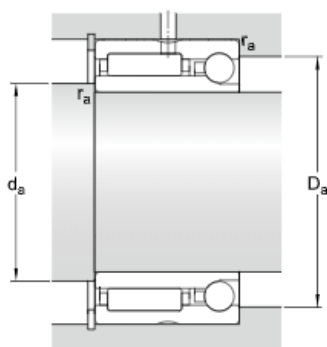
[Shaft and housing tolerances](#),
table

Technical specification



DIMENSIONS

d	15 mm
D	28 mm
B	18 mm
F	20 mm
$r_{1,2}$	min. 0.3 mm



ABUTMENT DIMENSIONS

d_a	min. 17 mm
D_a	max. 26 mm
r_a	max. 0.3 mm

CALCULATION DATA

Basic dynamic load rating, radial direction	C	11.2 kN
Basic static load rating, radial direction	C ₀	15.3 kN
Basic dynamic load rating, axial direction	C	2.27 kN
Basic static load rating, axial direction	C ₀	2.37 kN
Fatigue load limit, radial direction	P _u	1.83 kN
Fatigue load limit, axial direction	P _u	0.099 kN
Reference speed		19 000 r/min
Limiting speed		22 000 r/min

MASS

Mass bearing	0.05 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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