

NKIA 5902

Popular item

Needle roller / angular contact ball bearings

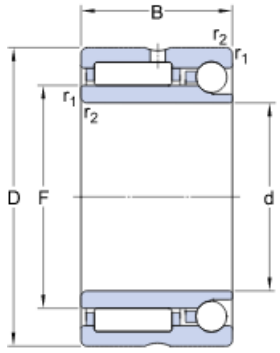
Bearing data

Tolerances,
Normal,
Radial internal clearance,
table

Design considerations

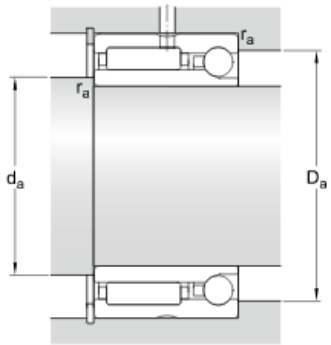
Shaft and housing tolerances,
table

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		19000 r/min
Limiting speed		22000 r/min

MASS

Mass bearing	0.05 kg

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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