



NK 12/16

- Popular item

Needle roller bearings with machined rings, without an inner ring

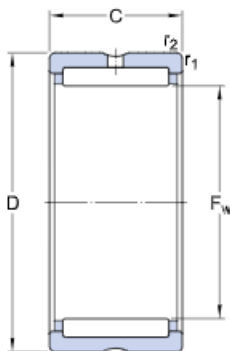
Bearing data

[Tolerances](#),
Normal, P6, P5, ISO - F6 (Fw),
[Radial internal clearance](#),
table

Design considerations

[Housing tolerances](#),
table,
[Shaft tolerances](#),
[Operating clearance](#)

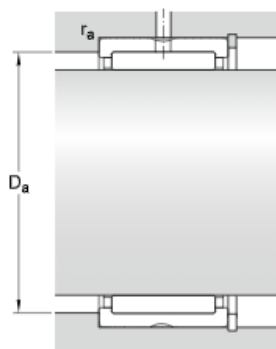
Technical specification



DIMENSIONS

F_w	12 mm	Diameter under rollers
D	19 mm	Outside diameter
C	16 mm	Width
$r_{1,2}$	min.0.3 mm	Chamfer dimension outer ring

ABUTMENT DIMENSIONS



D_a	max.17 mm	Abutment diameter housing (with flanges)
r_a	max.0.3 mm	Fillet radius

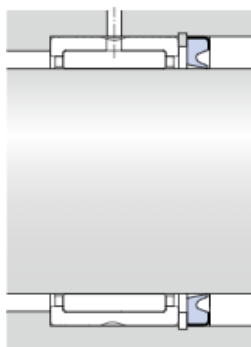
CALCULATION DATA

Basic dynamic load rating	C	9.13 kN
Basic static load rating	C ₀	12 kN
Fatigue load limit	P _u	1.43 kN
Reference speed		26 000 r/min
Limiting speed		30 000 r/min

MASS

Mass bearing	0.016 kg
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ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 12x19x3	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 12x19x3	Radial shaft seal with a low cross-sectional height, double lip

More information

Product details

[Designs and variants](#)

[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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