



## NK 25/20

- Popular item

Needle roller bearings with machined rings, without an inner ring

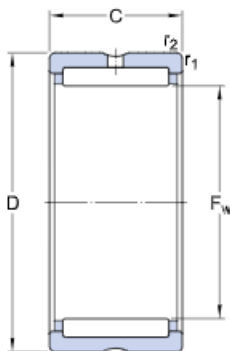
### Bearing data

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

### Design considerations

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

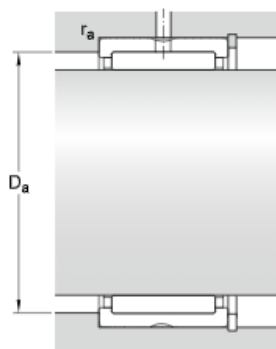
## Technical specification



### DIMENSIONS

$F_w$	25 mm	Diameter under rollers
D	33 mm	Outside diameter
C	20 mm	Width
$r_{1,2}$	min.0.3 mm	Chamfer dimension outer ring

### ABUTMENT DIMENSIONS



$D_a$	max.31 mm	Abutment diameter housing (with flanges)
$r_a$	max.0.3 mm	Fillet radius

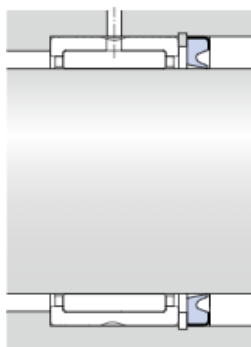
CALCULATION DATA

Basic dynamic load rating	C	19 kN
Basic static load rating	C <sub>0</sub>	32.5 kN
Fatigue load limit	P <sub>u</sub>	4 kN
Reference speed		16 000 r/min
Limiting speed		18 000 r/min

MASS

Mass bearing	0.042 kg
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ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 25x33x4	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 25x33x4	Radial shaft seal with a low cross-sectional height, double lip

## More information

## Product details

[Designs and variants](#)

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[Bearing data](#)

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[Loads](#)

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[Temperature limits](#)

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[Permissible speed](#)

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[Design considerations](#)

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[Designation system](#)

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## Engineering information

[Principles of rolling bearing selection](#)

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[General bearing knowledge](#)

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[Bearing selection process](#)

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[Bearing failure and how to prevent it](#)

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## Tools

[SimPro Quick](#)

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[Bearing Select](#)

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[Engineering Calculator](#)

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[LubeSelect for SKF greases](#)

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[Heater Selection Tool](#)

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[skf.com/mount](#)

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