



## NK 25/20

- Popular item

Needle roller bearings with machined rings, without an inner ring

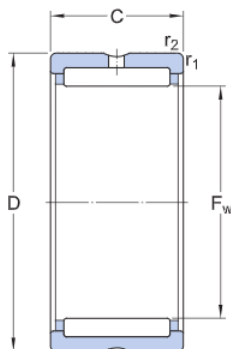
### Bearing data

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

### Design considerations

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

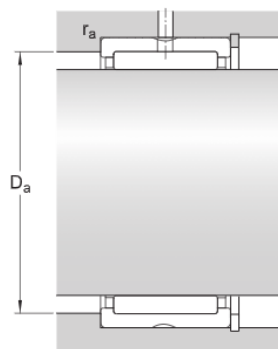
## Technical specification



### 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

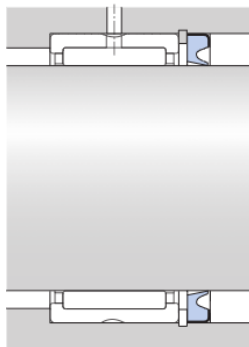
CALCULATION DATA

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	Engineering information	Tools
<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">SimPro Quick</a>
<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">Bearing Select</a>
<a href="#">Loads</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Permissible speed</a>		<a href="#">Heater Selection Tool</a>
<a href="#">Design considerations</a>		<a href="#">skf.com/mount</a>
<a href="#">Designation system</a>		

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