



## NKS 40

- Popular item

Needle roller bearings with machined rings, without an inner ring

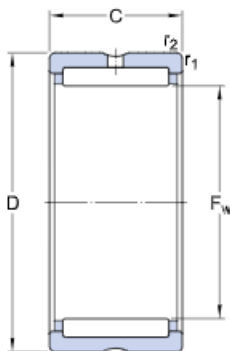
### Bearing data

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

### Design considerations

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

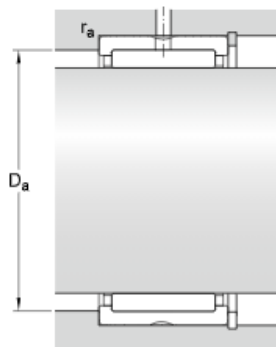
## Technical specification



### DIMENSIONS

$F_w$	40 mm	Diameter under rollers
D	55 mm	Outside diameter
C	22 mm	Width
$r_{1,2}$	min.0.6 mm	Chamfer dimension outer ring

### ABUTMENT DIMENSIONS



$D_a$	max.51 mm	Abutment diameter housing (with flanges)
$r_a$	max.0.6 mm	Fillet radius

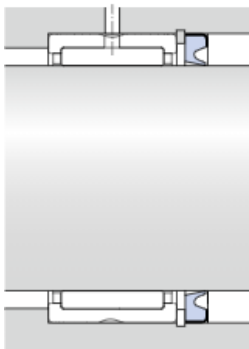
## CALCULATION DATA

Basic dynamic load rating	C	38 kN
Basic static load rating	C <sub>0</sub>	57 kN
Fatigue load limit	P <sub>u</sub>	7.1 kN
Reference speed		9 500 r/min
Limiting speed		11 000 r/min

## MASS

Mass bearing	0.13 kg
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## ASSOCIATED SEALS



Radial shaft seal	40x55x7 HMS5 RG	Radial shaft seal
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## 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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