

## NK 35/30 TN

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

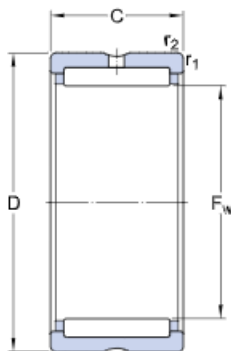
[Housing tolerances,](#)

table,

[Shaft tolerances,](#)

[Operating clearance](#)

## Technical specification

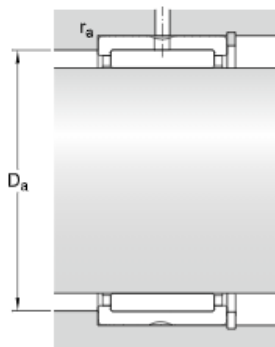


### DIMENSIONS

$F_w$	35 mm
$D$	45 mm
$C$	30 mm
$r_{1,2}$	min. 0.3 mm

### ABUTMENT DIMENSIONS

$D_a$	max. 43 mm
$r_a$	max. 0.3 mm



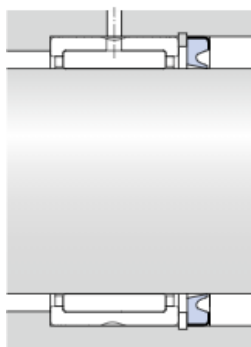
## CALCULATION DATA

Basic dynamic load rating	C	40.2 kN
Basic static load rating	C <sub>0</sub>	85 kN
Fatigue load limit	P <sub>u</sub>	10.6 kN
Reference speed		11000 r/min
Limiting speed		13000 r/min

## MASS

Mass bearing	0.11 kg
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## ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 35x45x4
Radial shaft seal with a low cross-sectional height, double lip	SD 35x45x4

## 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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