



## NK 50/35 TN

- Popular item

Needle roller bearings with machined rings, without an inner ring

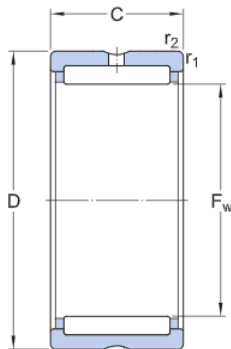
### Bearing data

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

### Design considerations

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

## Technical specification

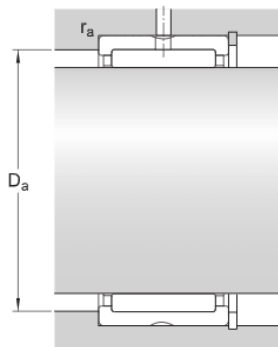


### DIMENSIONS

$F_w$	50 mm	Diameter under rollers
D	62 mm	Outside diameter
C	35 mm	Width
$r_{1,2}$	min.0.6 mm	Chamfer dimension outer ring

### ABUTMENT DIMENSIONS

$D_a$	max.58 mm	Abutment diameter housing (with flanges)
$r_a$	max.0.6 mm	Fillet radius



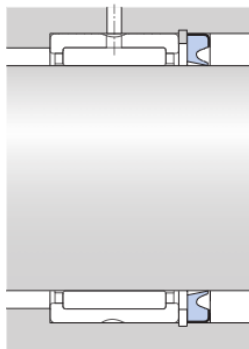
## CALCULATION DATA

Basic dynamic load rating	C	58.3 kN
Basic static load rating	C <sub>0</sub>	137 kN
Fatigue load limit	P <sub>u</sub>	17 kN
Reference speed		8 000 r/min
Limiting speed		9 000 r/min

## MASS

Mass bearing	0.21 kg
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## ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 50x62x5	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 50x62x5	Radial shaft seal with a low cross-sectional height, double lip