



## NK 12/12

- Popular item

### Needle roller bearings with machined rings, without an inner ring

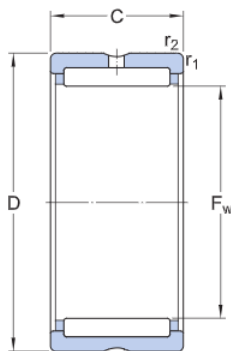
#### Bearing data

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

#### Design considerations

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

## Technical specification

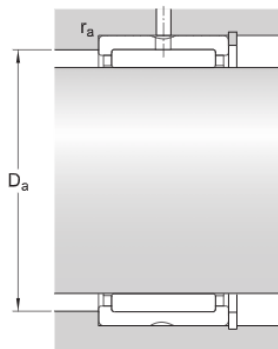


### DIMENSIONS

$F_w$	12 mm	Diameter under rollers
D	19 mm	Outside diameter
C	12 mm	Width
$r_{1,2}$	min.0.3 mm	Chamfer dimension outer ring

### ABUTMENT DIMENSIONS

$D_a$	max.17 mm	Abutment diameter housing (with flanges)
$r_a$	max.0.3 mm	Fillet radius



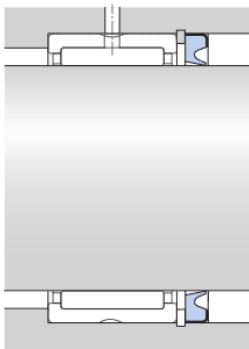
## CALCULATION DATA

Basic dynamic load rating	C	6.71 kN
Basic static load rating	C <sub>0</sub>	8.15 kN
Fatigue load limit	P <sub>u</sub>	0.965 kN
Reference speed		26 000 r/min
Limiting speed		30 000 r/min

## MASS

Mass bearing	0.012 kg
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## ASSOCIATED SEALS



Radial shaft seal with a low cross-sectional height, single lip	G 12x19x3	Radial shaft seal with a low cross-sectional height, single lip
Radial shaft seal with a low cross-sectional height, double lip	SD 12x19x3	Radial shaft seal with a low cross-sectional height, double lip