



NK 25/16

- 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

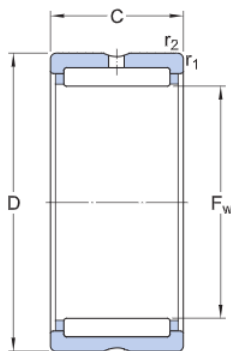
[Housing tolerances](#),

table,

[Shaft tolerances](#),

[Operating clearance](#)

Technical specification

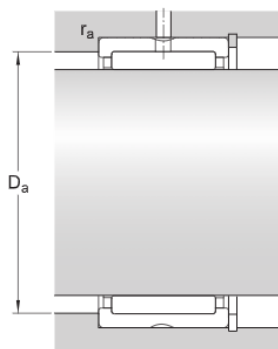


DIMENSIONS

F_w	25 mm	Diameter under rollers
D	33 mm	Outside diameter
C	16 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



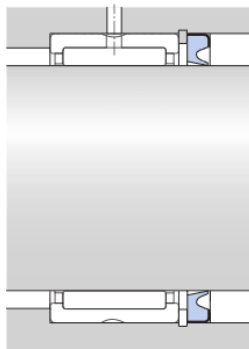
CALCULATION DATA

Basic dynamic load rating	C	15.1 kN
Basic static load rating	C ₀	24.5 kN
Fatigue load limit	P _u	2.9 kN
Reference speed		16 000 r/min
Limiting speed		18 000 r/min

MASS

Mass bearing	0.033 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