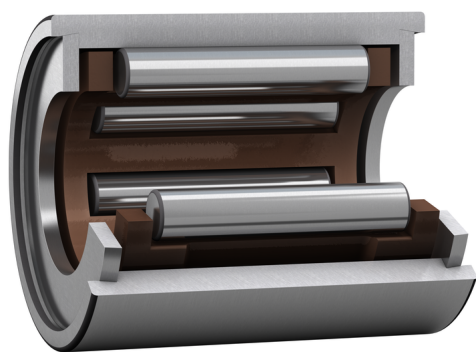




NK 8/12 TN

- Popular item

Needle roller bearings with machined rings, without an inner ring

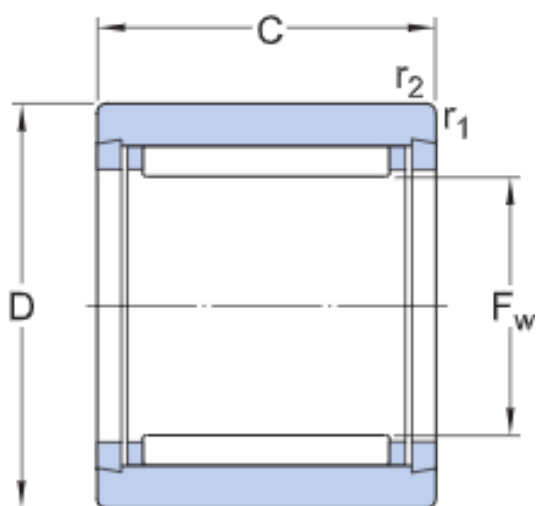
Bearing data

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

Design considerations

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

Technical specification

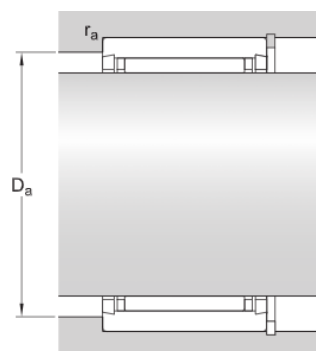


DIMENSIONS

F_w	8 mm	Diameter under rollers
D	15 mm	Outside diameter
C	12 mm	Width
$r_{1,2}$	min. 0.3 mm	Chamfer dimension outer ring

ABUTMENT DIMENSIONS

D max. 13 mm	Abutment diameter housing (with flanges)
r_f max. 0.3 mm	Fillet radius



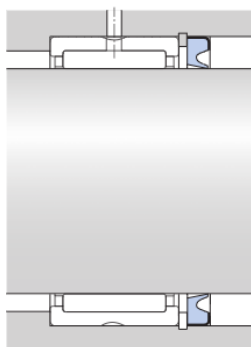
CALCULATION DATA

Basic dynamic load rating	C	3.8 kN
Basic static load rating	C ₀	4.25 kN
Fatigue load limit	P _u	0.465 kN
Reference speed		32 000 r/min
Limiting speed		36 000 r/min

MASS

Mass bearing	0.009 kg
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ASSOCIATED SEALS



G 8x15x3	Radial shaft seal with a low cross-sectional height, single lip
SD 8x15x3	Radial shaft seal with a low cross-sectional height, double lip

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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